RCA

# TV/DVD
# User's Guide

Changing Entertainment. Again.

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WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Note:

This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play the disc. The Region number for this DVD player is Region No 1.

Note:

This device is protected by U.S. patent numbers 4,631,603 amd 4.577,216 amd 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

**CLASS 1 LASER PRODUCT**

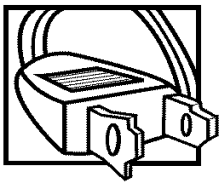
**CAUTION**

RISK OF ELECTRIC SHOCK
DO NOT OPEN

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.



**Caution:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**Attention:** Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqú au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

This Class B digital apparatus complies with Canadian ICES-003.

**Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.**

**Cable TV Installer:** This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

## Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Product Registration

Please fill out the product registration card (packed separately) and return it immediately. Returning the card allows us to contact you if needed.

## Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. These numbers are located on the product.

Model No. _____ Serial No._____ Purchase Date:_____

Dealer/Address/Phone:_____

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# IMPORTANT SAFEGUARDS

In addition to the careful attention devoted to quality standards in the manufacture of your product, safety is a major factor in the design of every product. However, safety is your responsibility too.

This sheet lists important information that will help to assure your enjoyment and proper use of the product and accessory equipment. Please read them carefully before operating and using your product.

## Installation

1 **Read and Follow Instructions**—All the safety and operating instructions should be read before the product is operated. Follow all operating instructions.

2 **Retain Instructions**—The safety and operating instructions should be retained for future reference.

3 **Heed Warnings**—Comply with all warnings on the product and in the operating instructions.

4 **Polarization/Grounding**—This product is equipped with either a polarized, non-polarized, or a grounding type power cord plug. If equipped with the non-polarized type (two blades of identical size), the following does not apply.

- A polarized power plug (two blades, one wider than the other) will fit into a power receptacle only one way. This is a safety feature. Do not defeat it. If you are unable to insert the plug fully, try reversing it, or have an electrician change the receptacle. If you need an extension cord, use only a polarized extension cord.

- A grounding type power plug (two blades and a round pin) will fit only into a grounding type receptacle with matching openings. This is a safety feature. Do not defeat it. You may need an electrician to install a grounding type receptacle. If you need an extension cord, use only a grounding type extension cord.

5 **Power Sources**—This product should be operated only from the type of power source indicated on the product's marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

6 **Overloading**—Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance indicates damage or deteriorated insulation, have it replaced by your service technician.

7 **Power-Cord Protection**—Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords where they are attached to plugs, convenience receptacles and at the point where they exit from the product.

8 **Ventilation**—Slots and openings in the enclosure are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. These openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or another heat source (including amplifiers). This product should not be placed in a built-in installation such as a bookcase or equipment rack unless proper ventilation is provided or the product manufacturer's instructions have been followed.

9 **Attachments**—Do not use attachments unless recommended by the product manufacturer as they may cause hazards.

10 **Water and Moisture**—Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool and the like.

11 **Accessories**—Do not place this product on an unstable surface or support. The product may fall, causing serious injury to a child or adult as well as serious damage to the product. Any mounting of the product should follow the manufacturer's instructions and use only a mounting accessory recommended by the manufacturer.

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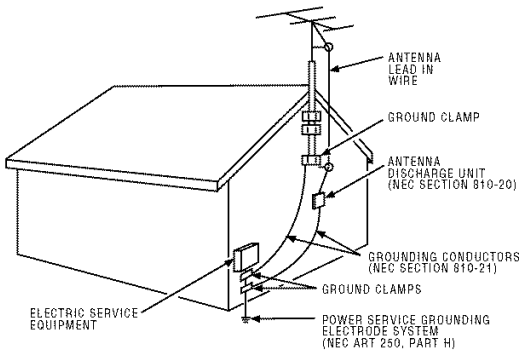
# IMPORTANT SAFEGUARDS

**11A** A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

**12 Outdoor Antenna Grounding**—If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984 (Section 54 of Canadian Electrical Code, Part 1) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See following example.

## Example of Antenna Grounding

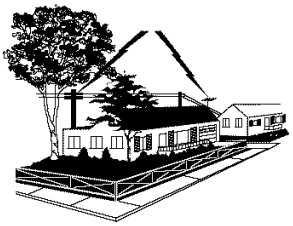

ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

**13 Power Lines**—An outside antenna system should not be located in the vicinity of overhead power lines, other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching or approaching such power lines or circuits as contact with them might be fatal. Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer.

## Use

**14 Cleaning**—Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

**15 Object and Liquid Entry**—Never push objects of any kind into this product through openings as they may touch dangerous voltage or "short-out" parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.



**16 Lightning**—For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power line surges.

## Service

**17 Servicing**—Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**18 Conditions Requiring Service** — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.

A. When the power-supply cord or plug is damaged.

B. If liquid has been spilled, or objects have fallen into the product.

C. If the product has been exposed to rain or water.

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D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

E. If the product has been dropped or the cabinet has been damaged.

F. When the product exhibits a distinct change in performance, such as the inability to perform basic functions—this indicates a need for service.

**19 Replacement Parts**—When replacement parts are required, have the service technician verify that the replacement parts he uses have the same safety characteristics as the original parts. Use of replacements specified by the product manufacturer can prevent fire, electric shock, or other hazards.

**20 Safety Check**—Upon completion of any service or repairs to this product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the product is in safe operating condition.

## Important Stand and Base Safety Information

Choose the location for your TV/DVD carefully. Place the TV/DVD on a stand or base that is of adequate size and strength to prevent the TV/DVD from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV/DVD. Refer to the Important Safety Instructions on page 3 of this manual.

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# Features

## High Quality Picture

**Horizontal Resolution**

More than 500 lines. It exceeds Super VHS (400 lines) or Laser Disc (430 lines) in resolution.

## Compatible with a wide range of DVD audio outputs

**Digital Audio Jack (Coaxial)**

- When a component with a built-in Dolby Digital decoder is connected, Dolby Digital sound can produce the effect of being in a movie theatre or a concert hall.
- The DTS format is already in use in many theatres. By connecting this unit to a DTS decoder or an AV amplifier with a built-in DTS decoder, the DTS audio of DVD discs recorded in this format can be enjoyed. However, audio will not be output from the analog audio output jacks.
- By connecting this unit to an AV amplifier with a built-in MPEG decoder, the MPEG audio of DVD discs recorded in this format can be enjoyed.
- The Linear PCM sound of a 48 kHz/24 bit through 96 kHz/24 bit exceeds audio CD sound.

## Convenience Features

**Direct selection of your desired scenes using Title/Chapter/Time/Track -** You can play back from the desired scene.
**Recalling Up to 3 Scenes (DVD only) -** You can program up to 3 scenes in memory and recall the marked scenes.
**Frame Advance -** The **PAUSE/STILL** moves one frame at a time.
**Slow Motion -** The **SLOW** moves you back and forth through the program by 4 steps of 1/8-1/2 times.
**Repeat Playback -** You can repeat chapter, track, title, sides or material between two selected points.
**Program Playback (Audio CD) -** You can play back tracks in programmed sequences.
**Zoom (DVD only) -** You can zoom in the selected subject on the screen during playback.

**Note:** Make sure that suitable discs are used.

## Disc Warning

The DVD player will only play back commercially available prerecorded DVD and Audio discs. Other discs such as CD-R, VCD, or photo discs may be damaged if played in this unit.

**Note:** Make sure that discs are suitable for the following functions.

**Multi-Language -** Maximum 32 language subtitles and maximum 8 language soundtracks can be played back for movies or programs.
**Multi-Angle -** Pictures of Sports or a Live Concert are recorded with many cameras. When you play such a disc, you can change the angles during playback.
**Parental Control -** You can limit the play back of scenes or sounds of adult DVD discs which have parental level.
**Video Aspect Ratio -** You can change the aspect ratio of the screen for your monitor.

## TV Features

**120V AC or DC Operation -** This TV/DVD is designed to operate from household AC current or from a 12V DC car cigarette lighter socket.
**181 Channel Tuner -** Receives standard VHF and UHF broadcast channels and up to 113 cable channels. The actual number of channels received depends upon channel reception in your area or your cable system.
**Closed Caption Decoder With Full Text Mode -** Displays text captions or full screen text on the screen for hearing impaired viewers.
**Picture Adjustments Using The Remote Control -** The On-Screen display allows precise remote control adjustment of BRIGHTNESS, CONTRAST, COLOR, TINT and SHARPNESS.
**Programmable TV Sleep Timer -** Operable from the remote control, the TV can be programmed up to 120 minutes to turn off automatically.
**On-Screen 3 Language Display -** You can select one of 3 languages, English, Spanish or French for on-screen programming.
**V-Chip -** The V-Chip function can read the rating of a TV program or movie content if the program is encoded with this information. V-chip will allow you to set a restriction level.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.



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# Safety precautions

## WARNING!

### INSTALL THE TV/DVD IN YOUR CAR

- For a car equipped with air bags, be sure to follow the manufacturer's instructions whenever performing any electrical wiring work. Incorrect wiring can cause the air bag system of a car to malfunction.
- Never cut the insulation from the power supply lead in an attempt to draw power for another device. Doing so can overload the current capacity of the lead, creating the danger of fire and electric shock.
- For proper installation and wiring special technical knowledge is required. If you have any doubts about where to position or how to install components, contact the retailer where you purchased the product, your automobile dealership, or an automotive service provider. Note that you will be charged separately for installation work.
- Use all of the components that come with this product only as directed. Improper use of components can damage interior components or result in improper anchoring of components, which creates the danger of accident and personal injury.
- Improper installation creates the danger of fire and accident.
- Make sure wires are not pinched between chassis parts, by screws or by the seat as it slides on its rails, etc. Such conditions can cut wires and cause shorts, creating the danger of accident, electric shock, and fire.
- Avoid installation in areas subject to strong vibration and areas where secure anchoring cannot be achieved. Components installed in such areas can become loose, creating the danger of accident and personal injury.
- Never install the TV/DVD on the dashboard or in any other location where it obstructs forward vision.
- Never attach the stand to the roof of your car. Doing so creates the danger of the TV/DVD falling down.
- Never attach the stand to a sharply angled surface or to a surface that causes the TV/DVD to face downwards. Such installation can cause the TV/DVD to fall.
- Be sure to turn the ignition key of the car to the "OFF" position before connecting or disconnecting wires and cables. Failure to do so creates the danger of electric shock and personal injury.

### DRIVING SAFETY

- Never watch the TV/DVD or try to adjust settings while driving. Doing so creates the danger of traffic accident. Before operating the TV/DVD, be sure to stop the car in a safe area.
- Never install the unit on the dashboard or in any other location where it obstructs forward vision. Items that obstruct forward vision in a motor car may be illegal.
  Also, make sure that all components are installed where they do not interfere with operation of the steering wheel, shift lever, brake pedal, under the driver's seat, etc. Where they do not endanger passengers. Improper installation creates the danger of traffic accident and personal injury.
- Make sure all cables are bundled together so they do not interfere with car operation, as described in this manual. Improperly installed cables create the danger of entanglement with the steering wheel, shift lever, brake pedal, etc.

### IMPORTANT NOTES:

- The unit is designed for use with a 12V DC automotive power supply. Never use it in a truck, bus, or any other car that has a 24V power supply.
- Be sure to stop your car in a safe area before watching or adjusting the TV/DVD.
- Operating the TV/DVD for a long time with the engine of your car stopped can run down your car's battery.
- Never leave the TV/DVD in areas exposed to temperature extremes or strong direct sunlight. Leaving it in a closed car, in direct sunlight, near a heater, etc. can cause deformation of the case. Using this product in areas that are colder than 5°C (41°F) or hotter than 40°C (104°F) can result in poor image quality.
- Never use benzene or other chemical agents for cleaning.
  Chemicals can damage the case and remove markings. Use a soft cloth moistened with a weak solution of water and mild neutral detergent. Wring out all excess moisture from the cloth before wiping.
- Never drop the TV/DVD or otherwise subject it to strong impact.
- Should the TV/DVD ever begin to emit smoke, abnormal odor, or a strange noise, immediately turn off power and unplug the unit from the cigarette lighter socket. Continued use of the TV/DVD under any of these conditions creates the danger of fire and electric shock.
- Do not continue to use the TV/DVD if it is malfunctioning and does not produce a video image or sound. Whenever you notice such symptoms, immediately turn off power, unplug the TV/DVD from the cigarette lighter socket. Continued use of the TV/DVD creates the danger of fire and electric shock.
- When you leave your car unattended for long periods, be sure to unplug the TV/DVD from the cigarette lighter socket. Leaving the TV/DVD plugged in can run down the car's battery.



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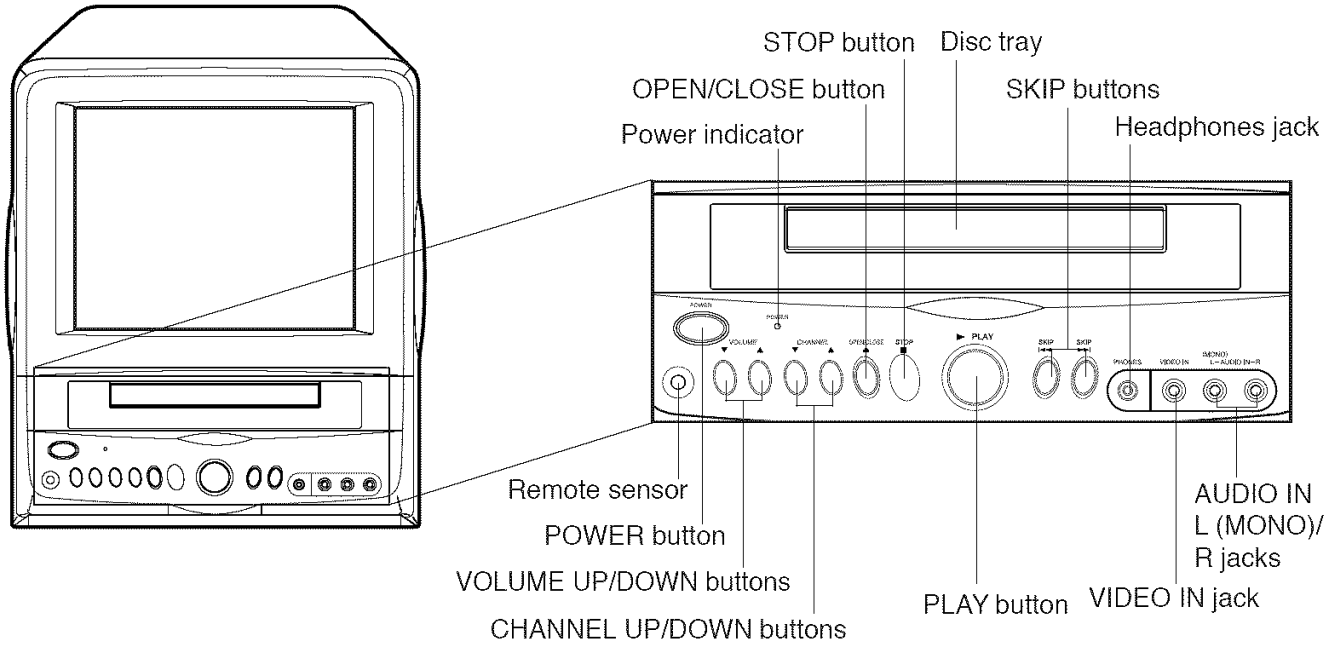
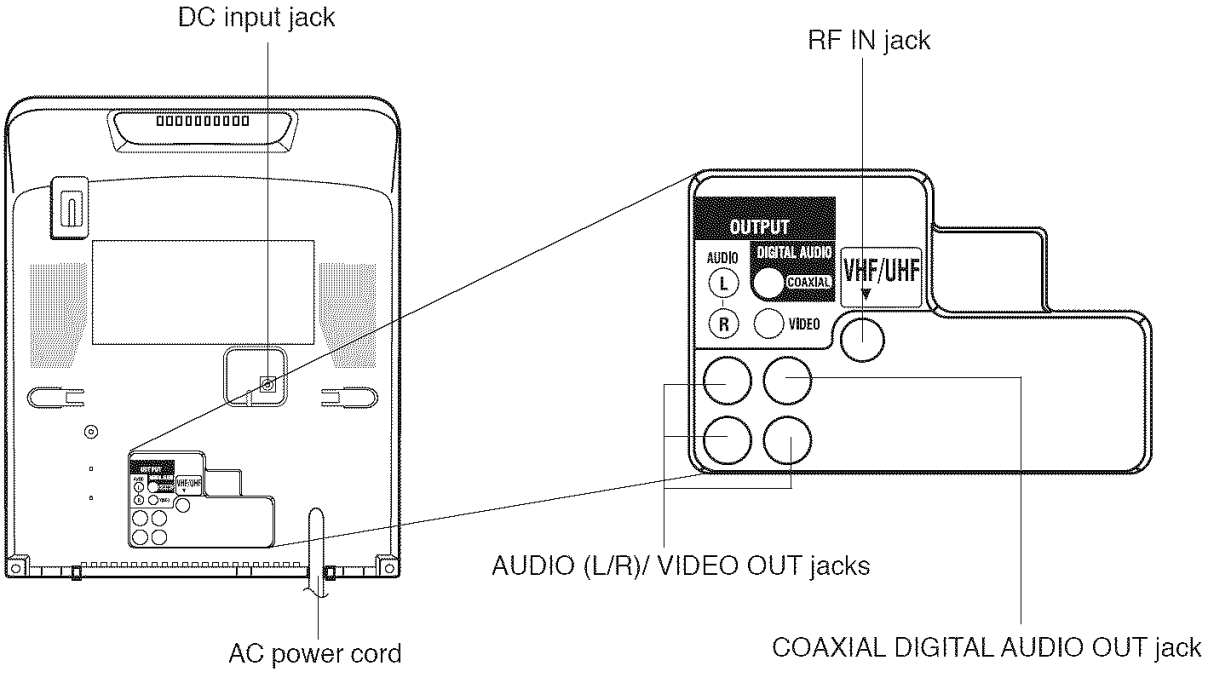
## Front




## Back



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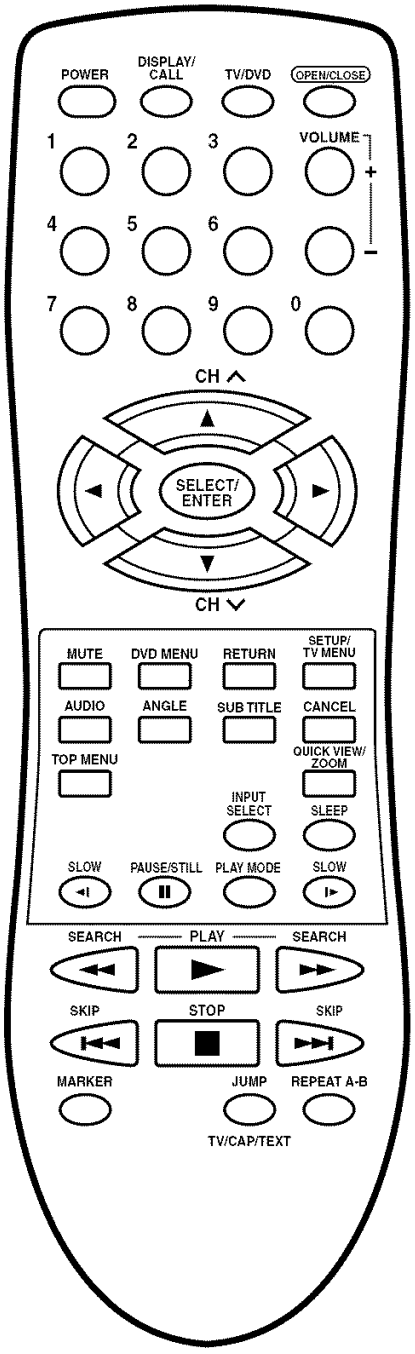
# Remote control

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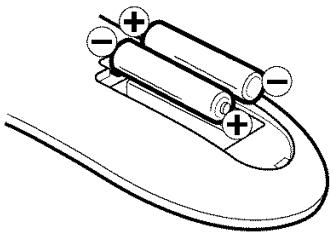
## Inserting Batteries

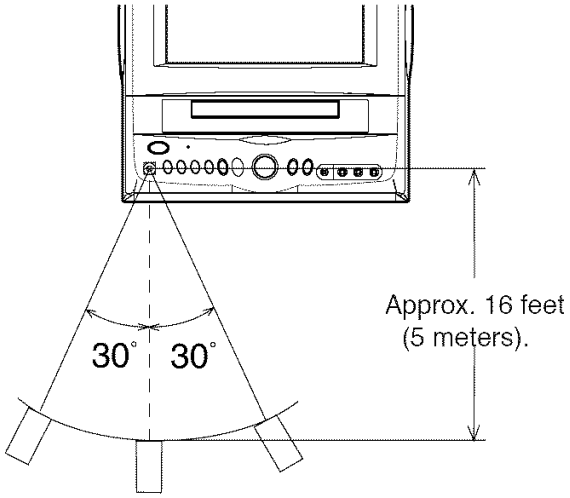
Open the battery compartment cover.
Install two "AAA" batteries (supplied), paying attention to the polarity diagram in the battery compartment.



Replace the compartment cover.

### Operation

- Aim the remote control at the remote sensor and press control buttons to operate.
- Operate the remote control within 30° angle on either side of the remote sensor, up to a distance of Approx. 16 feet (5 meters).




### NOTES:

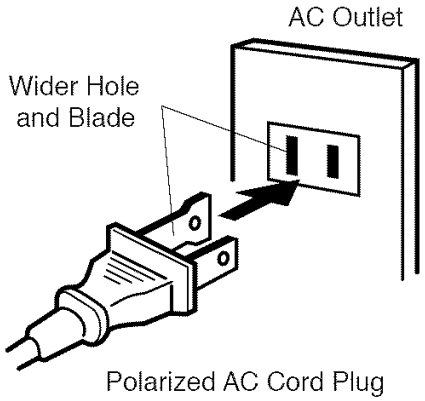
- Do not leave the remote control unit exposed to direct sunlight or in hot or humid places.
- The remote control unit uses infrared beams to transmit signals, so sunlight or fluorescent light on the remote sensor may shorten operating distance.
- Incorrect use of batteries may cause them to leak or burst. Read the battery warnings and use the batteries properly.
- Do not mix old and new batteries.
- Remove batteries if the remote control will not be operated for an extended period of time.

## TO USE AC POWER

Use the AC polarized line cord provided for operation on AC. Insert the AC cord plug into a standard 120V 60Hz polarized AC outlet.

### NOTES:

- Never connect the AC line cord plug to anything other than the specified voltage (120V 60Hz). Use the attached power cord only.
- If the polarized AC cord does not fit into a non-polarized AC outlet, do not attempt to file or cut the blade. It is the user's responsibility to have an electrician replace the obsolete outlet.
- If you cause a static discharge when touching the unit, and the unit fails to function, simply unplug the unit from the AC outlet, wait a few minutes, and plug it back in. The unit should return to normal operation.

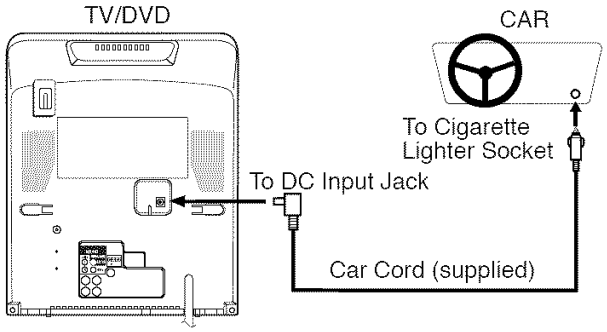



Polarized AC Cord Plug
(One blade is wider than the other)

## TO USE DC POWER

By using the DC car cord supplied with the TV/DVD, you can operate this TV/DVD from a cigarette lighter socket in any car that utilizes a negative ground system.
The fused 12V DC car cord has been designed to power the set from the external DC power (12 volt negative ground) through the TV/DVD DC input jack.

Connect the smaller plug on the end of the cord to the DC input jack on the back of the TV/DVD, then insert the other end of the car cord into the cigarette lighter socket of your car. Make sure that the cord makes a firm connection. It may be necessary to try several insertions, rotating the plug for proper electrical connection.



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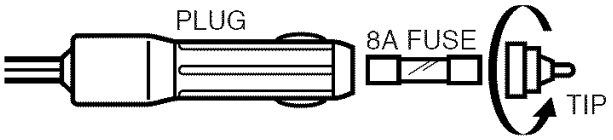
# Power sources

NOTES: • **ALWAYS TURN THE TV/DVD TO "OFF" BEFORE SWITCHING THE IGNITION OF THE CAR ENGINE.**
- Make sure that the negative terminal of the battery is grounded.
  This set is designed for use with negative grounding systems only.
- Use the supplied car cord only.
- When the TV/DVD is not in use, always disconnect it from the car cigarette lighter socket to avoid a battery drain.
- If the TV/DVD is to be directly connected to a 12V DC power source, for example, recreational vehicle (RV) applications, make sure the power cord is connected after the ignition switch to avoid battery drain.
- Do not operate the TV/DVD if the car battery is weak. Peak current from the car alternator could blow the DC fuse.
- Check the battery's charge level regularly when the TV/DVD is used in a vehicle.

## REPLACING THE FUSE IN THE CAR BATTERY CORD PLUG

If the fuse in the car battery cord plug blows, replace it with a new 8 A fuse (Fast Blow Type) as shown below. Unscrew the tip of the plug to remove.

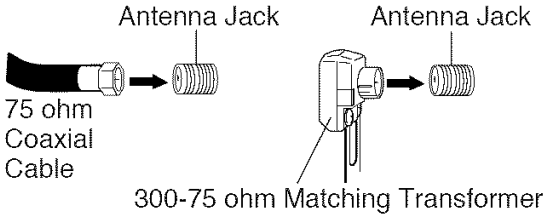



# Antenna connections

**If you are using an indoor or outdoor antenna, follow the instructions below that correspond to your antenna system. If you are using a cable TV service (CATV), see page 13 for Cable TV connections.**

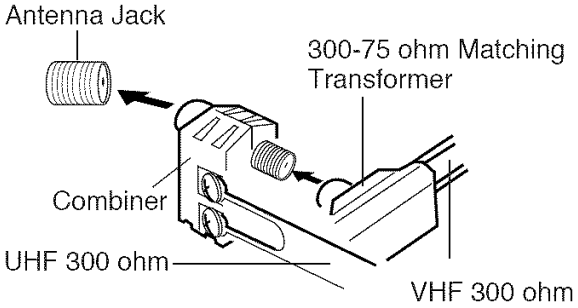
## Combination VHF/UHF Antenna (Single 75 ohm cable or 300 ohm twin-lead wire)

Connect the 75 ohm cable from the combination VHF/UHF antenna to the Antenna Jack.
If your combination VHF/UHF antenna has a 300 ohm twin-lead wire, the use of the 300-75 ohm Matching Transformer may be necessary.



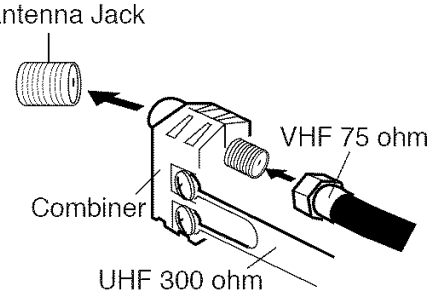

## Combination VHF/UHF Antenna (Separate VHF and UHF 300 ohm twin-lead wires)

Connect the UHF 300 ohm twin-lead wire to the Combiner (not supplied). Connect the VHF 300 ohm twin-lead wire to the 300-75 ohm Matching Transformer. Attach the Transformer to the Combiner, then attach the Combiner to the Antenna Jack.




## Separate VHF/UHF Antennas (75 ohm VHF cable and 300 ohm UHF twin-lead wires)

Connect the VHF 75 ohm cable and UHF 300 ohm twin-lead wire to the Combiner (not supplied). Attach the Combiner to the Antenna Jack.




**IMPORTANT: Go to page 18 to choose the signal and search for channels.**



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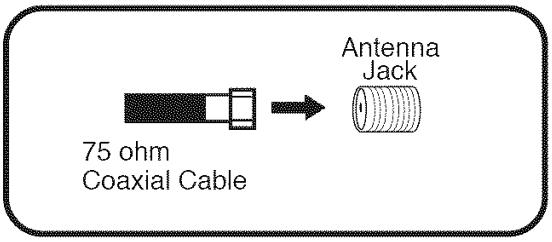
**This TV/DVD has an extended tuning range and can tune most cable channels without using a Cable TV Converter box. Some cable companies offer "premium pay channels" in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device which is generally provided by the cable company.**

*Note for U.S. customers: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.*

*For additional assistance while using your RCA product, please visit www.rca.com/customersupport.*

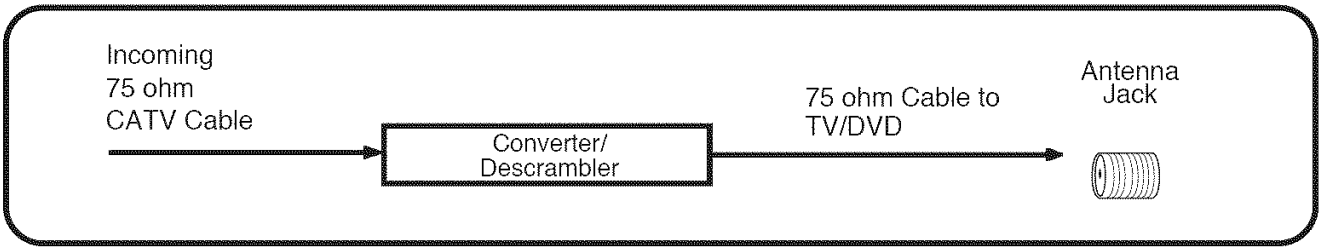
## FOR SUBSCRIBERS TO BASIC CABLE TV SERVICE




For basic cable service not requiring a Converter/Descrambler box, connect the CATV 75 ohm Coaxial Cable directly to the Antenna Jack on the back of the TV/DVD.

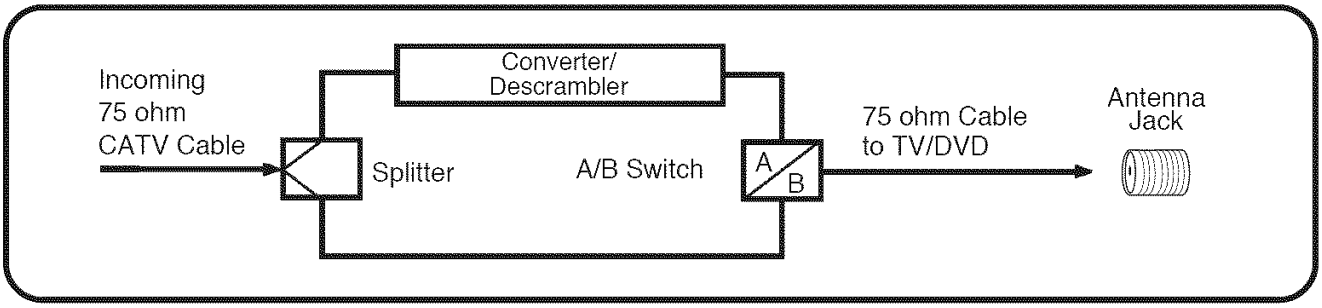
## FOR SUBSCRIBERS TO SCRAMBLED CABLE TV SERVICE

If you subscribe to a cable TV service which requires the use of a Converter/Descrambler box, connect the incoming 75 ohm Coaxial Cable to the Converter/Descrambler box. Using another 75 ohm Coaxial Cable, connect the output jack of the Converter/Descrambler box to the Antenna Jack on the TV/DVD. Follow the connections shown below. Set the TV/DVD to the output channel of the Converter/Descrambler box (usually channel 3 or 4) and use the Converter/Descrambler box to select channels.




## FOR SUBSCRIBERS TO UNSCRAMBLED BASIC CABLE TV SERVICE WITH SCRAMBLED PREMIUM CHANNELS

If you subscribe to a cable TV service in which basic channels are unscrambled and premium channels require the use of a Converter/Descrambler box, you may wish to use a signal Splitter and an A/B Switch box (available from the Cable company or an electronics supply store). Follow the connections shown below. With the switch in the "B" position, you can directly tune any nonscrambled channels on your TV/DVD. With the switch in the "A" position, tune your TV/DVD to the output of the Converter/Descrambler box (usually channel 3 or 4) and use the Converter/Descrambler box to tune scrambled channels.




**IMPORTANT: Go to page 18 to choose the signal and search for channels.**



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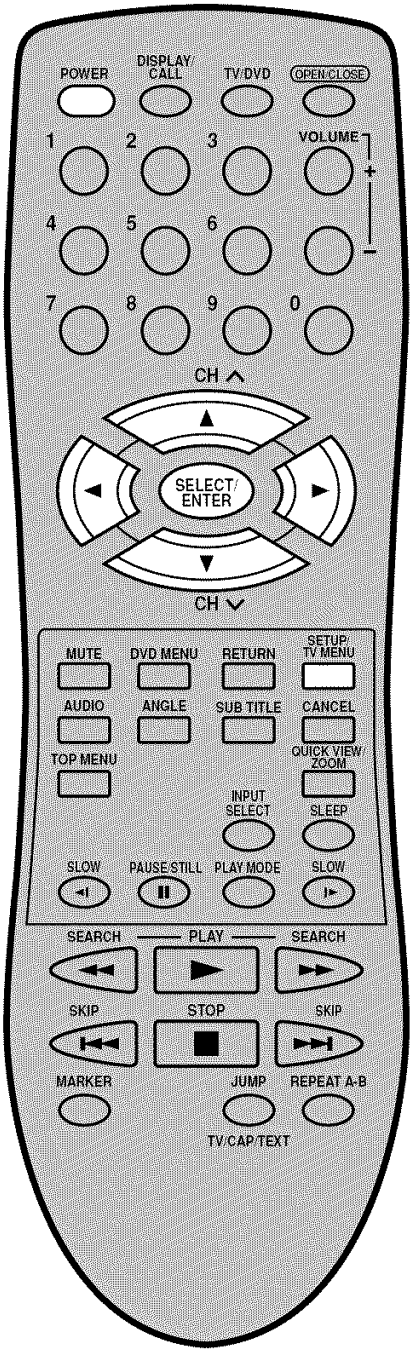
# Setting the on screen display language

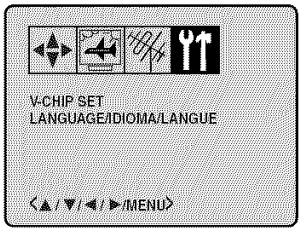
You can choose from three different languages (English, French and Spanish) for the on-screen displays. Adjustment menus and messages will appear in the language of your choice.
On-screen language selection (step 5) will automatically appear on the screen when you press the TV MENU button initially. Select the language you prefer first, then proceed with the other menu options.



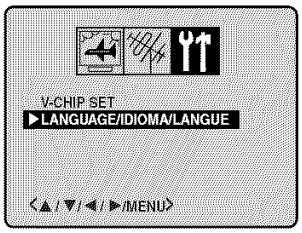

1 To turn on the TV/DVD, press **POWER**. The Power indicator will light.

2 Press **TV MENU** in the TV mode. The TV menu screen will appear.

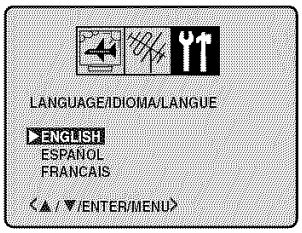
3 Press ◀ or ▶ until the OPTION menu appears.




4 Press ▲ or ▼ to select the "LANGUAGE" option, then press ◀ or ▶ button.




5 Press ▲ or ▼ to select the desired language: English (ENGLISH), Spanish (ESPAÑOL) or French (FRANCAIS), then press **ENTER**.




Press **TV MENU** until the MENU disappears.

**NOTES:**

- **If the TV/DVD does not operate properly (by the buttons on the unit and/or the remote control) disconnect the AC cord, wait a few minutes and plug it back in.** Static electricity, etc., may have affected the player's operation.
- The TV section has its own menu and the DVD section has its own menu (see page 34).



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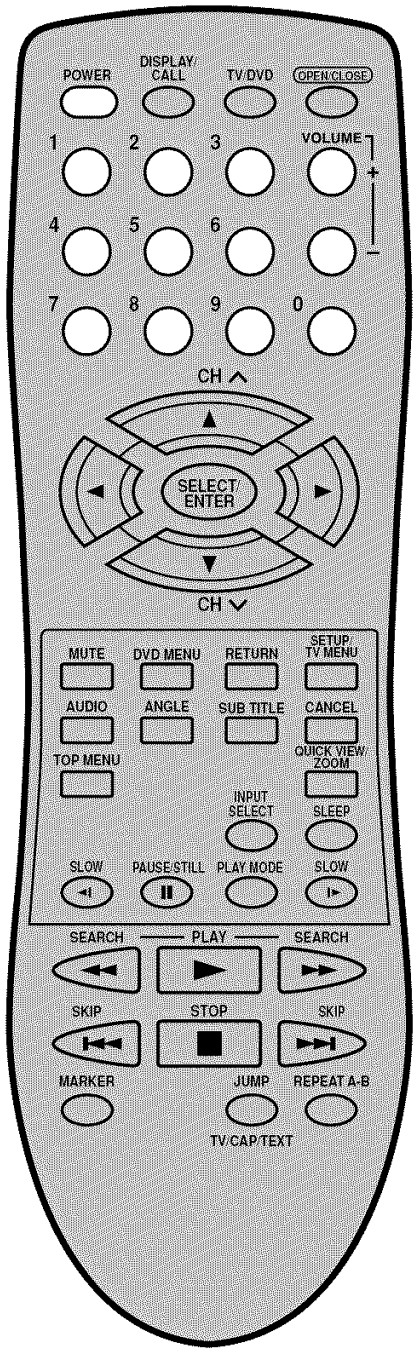
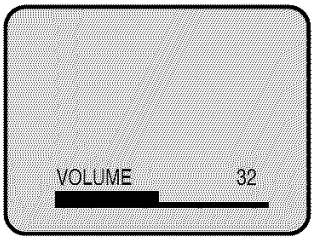



1 To turn on the TV/DVD, press **POWER**.

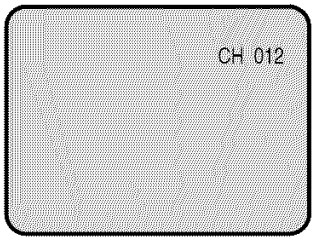
2 Adjust the volume level by pressing **VOLUME +** or **–** . The volume level appears on screen.




3 Set the TV/CATV menu option to the appropriate position. (See page 18.)

4 Press the numbers buttons to select the channel.

TV - VHF/UHF channels
CATV - CABLE TV channels




Channels can be instantly selected by using two buttons. (for example, to select channel 2, press "**0**", then "**2**". If you press only "**2**", channel selection will be delayed for a few seconds.)

For channels 10 and above, press the 2 digits in order.

For 3 digit numbers, press the 3 digits in order. For example, to select channel 120, just press "120".

**NOTE:**
To view channels above 69 the TV must be set to CATV mode. Go to page 18 for more information.

| TV | CATV |
|---|---|
| VHF<br>2-13 | VHF<br>2-13 |
| UHF<br>14-69 | STD/HRC/IRC<br>14-36<br>(A) (W)<br>37-59<br>(AA) (WW)<br>60-85<br>(AAA) (ZZZ)<br>86-94<br>(86) (94)<br>95-99<br>(A-5) (A-1)<br>100-125<br>(100) (125)<br>01<br>(5A) |

**NOTES:**
- If a channel with no broadcast is selected, the sound will automatically be muted.
- If a station being viewed stops broadcasting, the TV will automatically shut itself off after 15 minutes.



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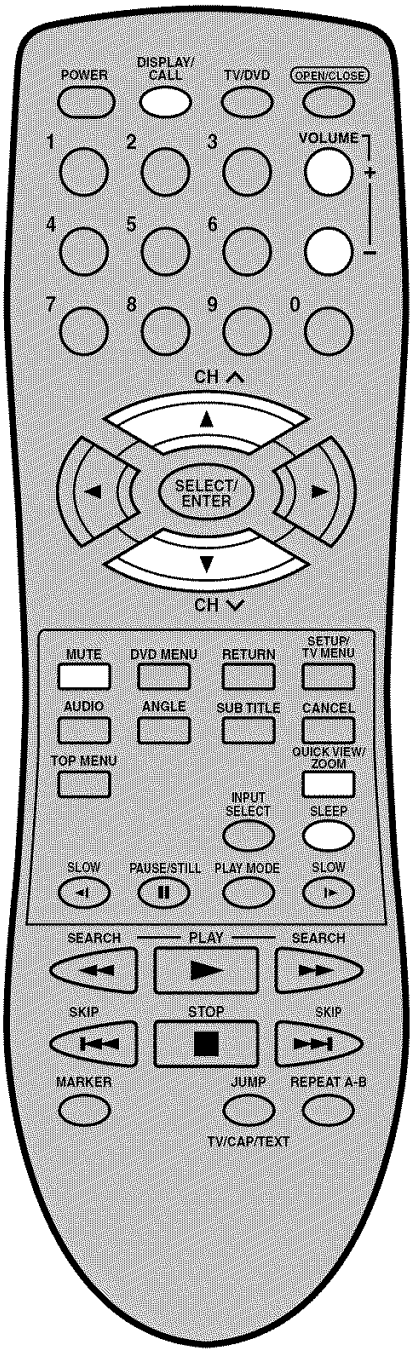


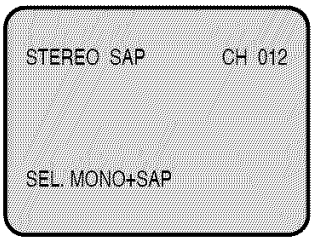

## CHANNEL ^/v

Press and release **CH** ^ or v. The channel automatically stops at the next channel set into memory.
For proper operation, before selecting channels, they should be set into the memory. See pages 18 and 19 "To memorize channels"

## CALL

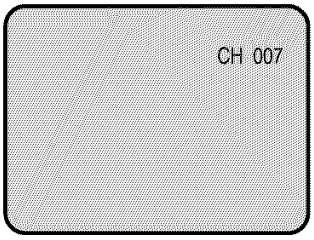
Press **DISPLAY/CALL** to display the current information on the screen.
Press **DISPLAY/CALL** again to clear the call display.

- Channel number or VIDEO mode
- Stereo or SAP (second audio program) audio status
- Audio output status



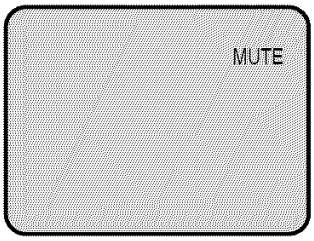

## QUICK VIEW

Press **QUICK VIEW** again to return to the last channel you were watching.



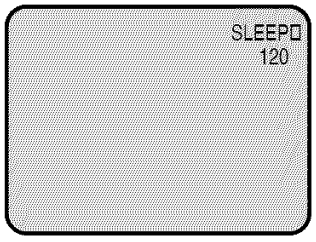

## MUTE

Press **MUTE** to switch off the sound. The TV/DVD's sound will be silenced and "MUTE" will briefly appear on the screen. The sound can be switched back on by pressing **MUTE** again or the **VOLUME +** or **–** buttons.




## SLEEP

To set the TV/DVD to turn off after a preset amount of time, press **SLEEP** on the remote control. The clock will count down 10 minutes each time you press **SLEEP** (120, 110, ...10, 0). After the sleep time is programmed, the display will appear every ten minutes to remind you that the sleep timer is operating. To confirm the sleep timer setting, press **SLEEP** and the remaining time will be displayed for a few seconds. To cancel the sleep timer, press **SLEEP** repeatedly until the display turns to 0.



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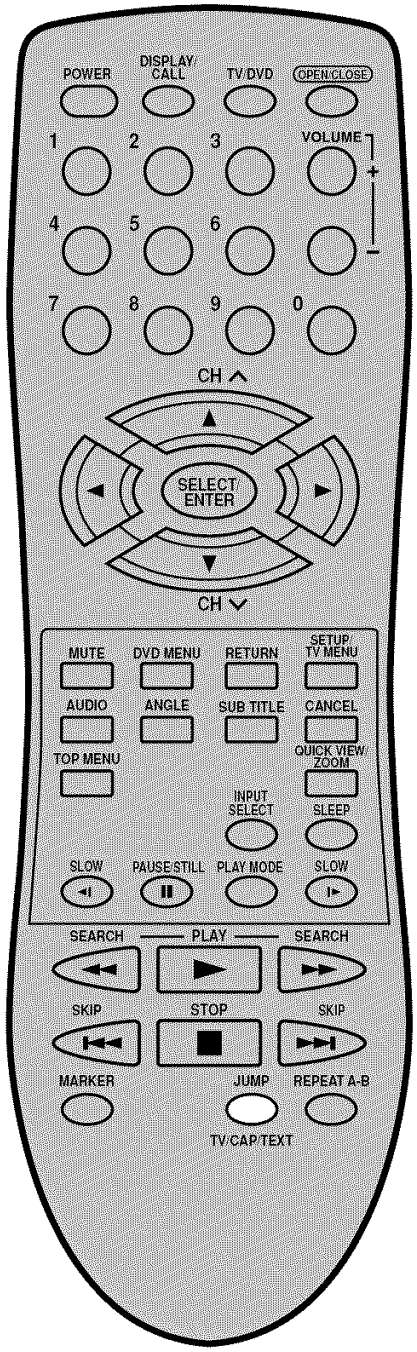
## WHAT IS CLOSED CAPTIONING?

This television has the capability to decode and display Closed Captioned television programs. Closed Captioning displays text on the screen for hearing impaired viewers or translates and displays text in another language.

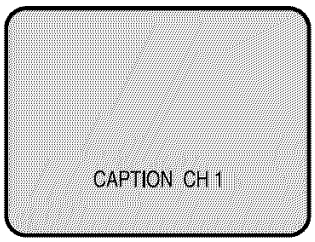



**Captions:** This Closed Caption Mode will display text on the screen in English or another language (depending on the setting of the Closed Captions).
Generally, Closed Captions in English are transmitted on Captions Channel 1 and Closed Captions in other languages are transmitted on Captions Channel 2.
The Captions will appear in places on the screen where they will least interfere with the picture, usually on the bottom of the screen. News programs will usually show three-line Closed Captions which scroll onto the screen.
Most other shows provide two or three lined Captions placed near the character who is speaking so the viewer can follow the dialogue. Words in italics or underlined describe titles, words in foreign languages or words requiring emphasis. Words that are sung usually appear enclosed by musical notes.

**Text:** The Text Closed Caption Mode will usually fill the screen with a programming schedule or other information.
After selecting a Closed Caption Mode, it will stay in effect until it is changed, even if the channel is changed.
If the Captions signal is lost due to a commercial or a break in the signal, the Captions will reappear when the signal is received again. If the channels are changed, the Captions will be delayed approximately 10 seconds.
For television programs broadcasting with Closed Captions, look in your TV guide for the Closed Captions symbol (CC).

### TO VIEW CLOSED CAPTIONS

Press **TV/CAP/TEXT** to switch between normal TV and the two closed caption modes (captions and full screen text). Closed captioning will display text on the screen for hearing impaired viewers.




### NOTES:

- When selecting Closed Captions, the captioning will be delayed approximately 10 seconds.
- If no caption signal is received, no captions will appear, but the television will remain in the Caption Mode.
- Misspellings or unusual characters may occasionally appear during Closed Captioning. This is normal with Closed Captioning, especially with live programs. This is because during live programs, captions are also entered live. These transmissions do not allow time for editing.
- When Captions are being displayed, on-screen displays, such as volume and mute may not be seen or may interfere with Closed Captions.
- Some cable systems and copy protection systems may interfere with the Closed Captioned signal.
- If using an indoor antenna or if TV reception is very poor, the Closed Caption Decoder may not appear or may appear with strange characters or misspelled words. In this case, adjust the antenna for better reception or use an outdoor antenna.



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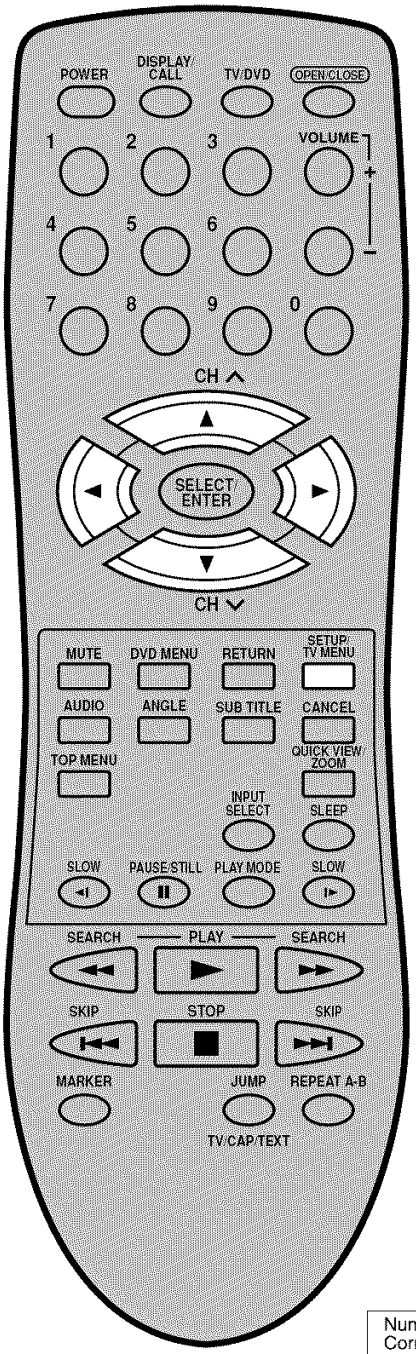
# To memorize channels

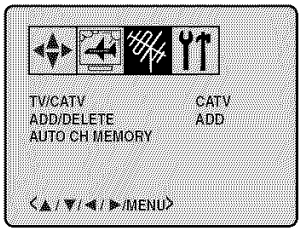
This TV/DVD is equipped with a channel memory feature which allows channels to skip up or down to the next channel set into memory, skipping over unwanted channels. Before selecting channels, they must be programmed into the TV/DVD's memory. In addition to normal VHF and UHF channels, this TV/DVD can receive up to 113 Cable TV channels. To use this TV/DVD with an antenna, set the TV/CATV menu option to TV mode. When shipped from the factory, this menu option is in the CATV mode.



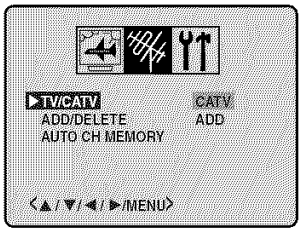

## TV/CATV SELECTION

1 Press **TV/DVD**. Press **TV MENU**. The TV menu screen will appear.

2 Press ◀ or ▶ until the SET UP menu appears.

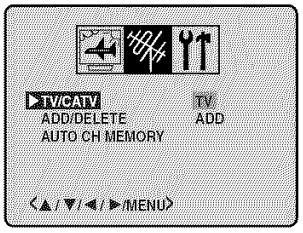



3 Press ▲ or ▼ to select the "TV/CATV" option. If you connected an antenna, select TV. If you have cable service, select CATV.




4 Press ◀ or ▶ to select the TV or CATV mode.

**TV - VHF/UHF channels**
**CATV - CABLE TV channels**




5 Press **TV MENU** until the MENU disappears.

## CATV CHART

The chart below is typical of many cable system channel allocations.

| Number on this TV<br>Corresponding CATV channel | | | | | | | | | 14<br>A | 15<br>B | 16<br>C | 17<br>D | 18<br>E | 19<br>F | 20<br>G | 21<br>H | 22<br>I |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23<br>J | 24<br>K | 25<br>L | 26<br>M | 27<br>N | 28<br>O | 29<br>P | 30<br>Q | 31<br>R | 32<br>S | 33<br>T | 34<br>U | 35<br>V | 36<br>W | 37<br>AA | 38<br>BB | 39<br>CC | 40<br>DD |
| 41<br>EE | 42<br>FF | 43<br>GG | 44<br>HH | 45<br>II | 46<br>JJ | 47<br>KK | 48<br>LL | 49<br>MM | 50<br>NN | 51<br>OO | 52<br>PP | 53<br>QQ | 54<br>RR | 55<br>SS | 56<br>TT | 57<br>UU | 58<br>VV |
| 59<br>WW | 60<br>AAA | 61<br>BBB | 62<br>CCC | 63<br>DDD | 64<br>EEE | 65<br>FFF | 66<br>GGG | 67<br>HHH | 68<br>III | 69<br>JJJ | 70<br>KKK | 71<br>LLL | 72<br>MMM | 73<br>NNN | 74<br>OOO | 75<br>PPP | 76<br>QQQ |
| 77<br>RRR | 78<br>SSS | 79<br>TTT | 80<br>UUU | 81<br>VVV | 82<br>WWW | 83<br>XXX | 84<br>YYY | 85<br>ZZZ | 86<br>86 | 87<br>87 | 88<br>88 | 89<br>89 | 90<br>90 | 91<br>91 | 92<br>92 | 93<br>93 | 94<br>94 |
| 95<br>A-5 | 96<br>A-4 | 97<br>A-3 | 98<br>A-2 | 99<br>A-1 | 100<br>100 | 101<br>101 | 102<br>102 | 103<br>103 | 104<br>104 | 105<br>105 | 106<br>106 | 107<br>107 | 108<br>108 | 109<br>109 | 110<br>110 | 111<br>111 | 112<br>112 |
| 113<br>113 | 114<br>114 | 115<br>115 | 116<br>116 | 117<br>117 | 118<br>118 | 119<br>119 | 120<br>120 | 121<br>121 | 122<br>122 | 123<br>123 | 124<br>124 | 125<br>125 | 01<br>5A | | | | |



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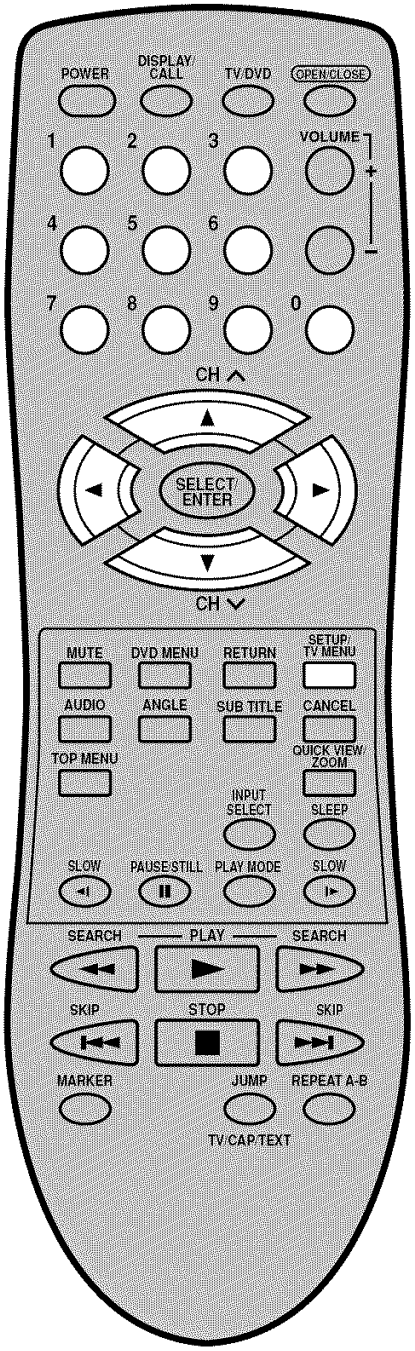
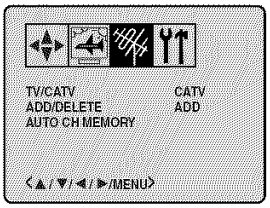


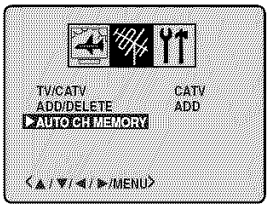

## AUTOMATIC MEMORY TUNING

1 Press **TV/DVD**. Press **TV MENU**. The TV menu screen will appear.

2 Press ◀ or ▶ until SET UP menu appears.




3 Press ▲ or ▼ to select the "AUTO CH MEMORY", then press ◀ or ▶. The TV will begin memorizing all the channels available in your area.



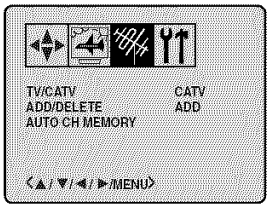

4 Press **TV MENU** until the MENU disappears.

## TO ADD/DELETE CHANNELS

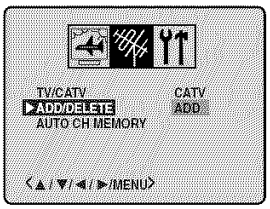
1 Select the desired channel to be memorized or deleted using the **number buttons (0-9)**, or **CH** ∧ or ∨.

2 Press **TV MENU**. The TV menu screen will appear.

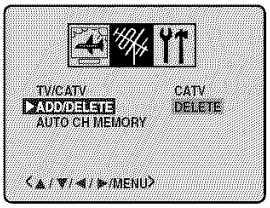
3 Press ◀ or ▶ until SET UP menu appears.




4 Press ▲ or ▼ to select the "ADD/DELETE".




5 Press ◀ or ▶ to select ADD or DELETE, whichever function you want to perform.




6 Press **TV MENU** until the MENU disappears.

7 Repeat steps 1-6 for other channels you want to add or delete.



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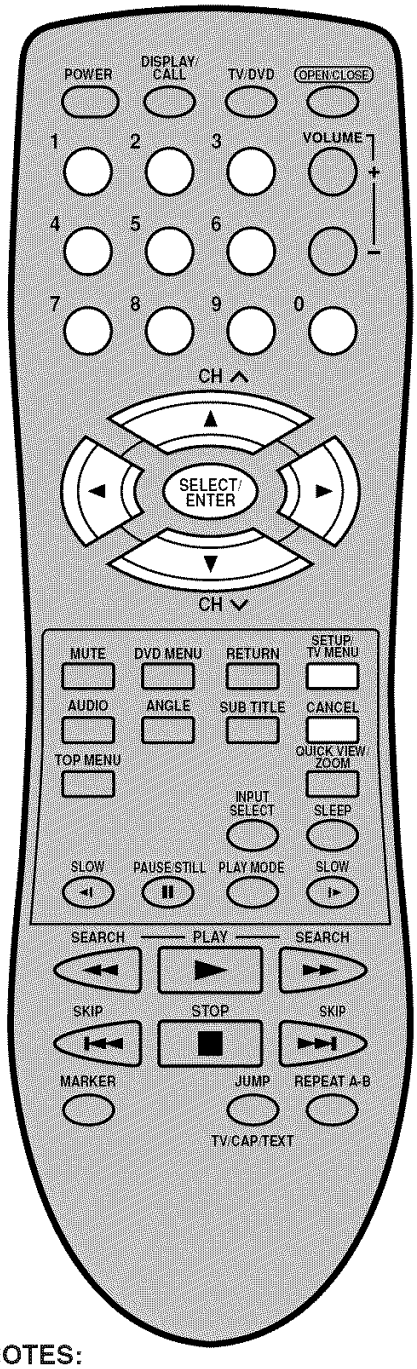
# Setting the V-Chip

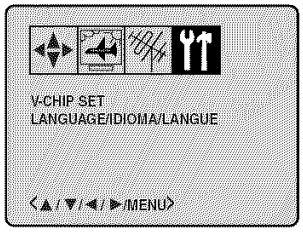
**This TV/DVD is equipped with a V-Chip Controller which provides you with channel viewing access controls and restrictions. This function is to prevent your children from watching violence or sexual scenes, that you may choose to exclude.**
**To use the V-Chip function, you must set a password.**



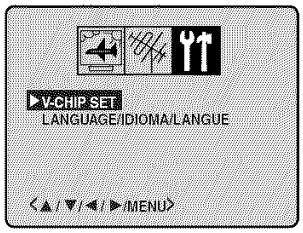

## SET THE PASSWORD

1 Press **TV/DVD**. Press **TV MENU**. The TV menu screen will appear.

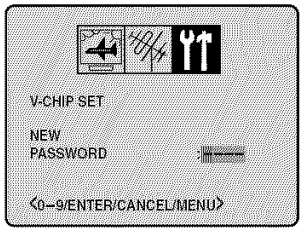
2 Press ◀ or ▶ until the OPTION menu appears.




3 Press ▲ or ▼ to select the "V-CHIP SET", then press ◀ or ▶.

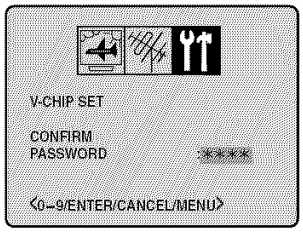



4 Enter the password (4 digits) using the **number buttons (0-9)**, then press **ENTER**.
- If you enter an incorrect number, press **CANCEL**.




"∗" appears instead of the number.

5 Enter the same password again for confirmation, then press **ENTER**.
Now the password is set and the V-Chip setting menu appears.




**NOTES:**
- The V-Chip feature is available only for the U.S.V-Chip system. The Canadian V-Chip system is not supported.
- To avoid forgetting the password, write it down and keep in a safe place.
- If you forget the password....
  1. Turn the volume to a minimum level.
  2. Press **VOLUME ▼** on the unit and **0** on the remote control for more than 1 second simultaneously.



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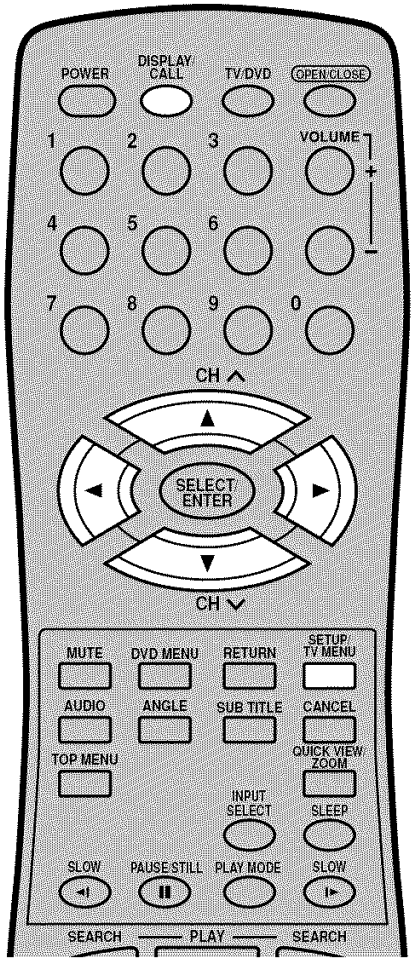


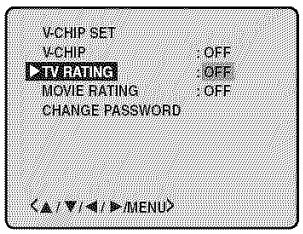

**Use the TV after V-Chip is activated**
When a program is received with V-Chip activated, enter the password. Protection can be temporarily overridden.

**NOTES:**

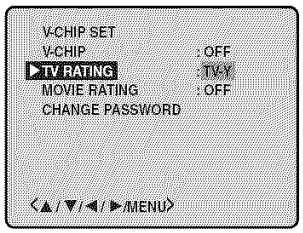
- The V-Chip function is activated only on programs that support the rating system.
- If you are changing channels using a VCR or a cable box, while the TV remains on channel 3 or 4, the V-Chip operates differently. When you enter your password to temporarily release the block on any channel, you have completely disabled the V-Chip function for all stations. To reset the V-Chip turn your TV off and back on.
- Some cable boxes are built with a delay feature, in some cases it can take up to 10 seconds for a program to appear after the password has been input.

## TO SET THE V-CHIP

**1** In the V-CHIP SET menu, press ▲ or ▼ to select the "TV RATING".



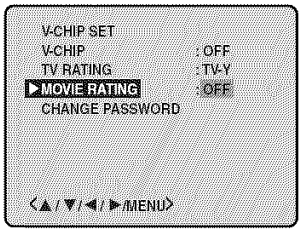

**2** Press ◀ or ▶ to display the desired setting.



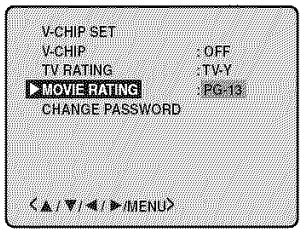

| | | |
|---|---|---|
| **OFF** | : | TV RATING is not set |
| **TV-Y** | : | All children |
| **TV-Y7** | : | 7 years old and above |
| **TV-G** | : | General Audience |
| **TV-PG:** | | Parental guidance |
| **TV-14** | : | 14 years old and above |
| **TV-MA:** | | 17 years old and above |

When you select TV- Y7, TV-PG, TV-14 or TV-MA, press **DISPLAY/CALL** to show the contained rating. Press ▲/▼ or ◀/▶ to select the desired item you want.

**3** Press ▲ or ▼ to select the "MOVIE RATING".

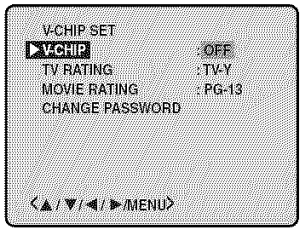



**4** Press ◀ or ▶ to select desired rating.

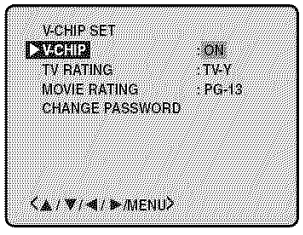



| | | |
|---|---|---|
| **OFF** | : | MOVIE RATING is not set |
| **G** | : | All ages |
| **PG** | : | Parental guidance |
| **PG-13** | : | Parental guidance less than 13 years old |
| **R** | : | Under 17 years old Parental guidance suggested |
| **NC-17** | : | 17 years old and above |
| **X** | : | Adult only |

**5** Press ▲ or ▼ to select "V-CHIP".




**6** Press ◀ or ▶ to Display "ON". Now your settings were set into the memory.




**7** Press **TV MENU** until the MENU screen is cleared.



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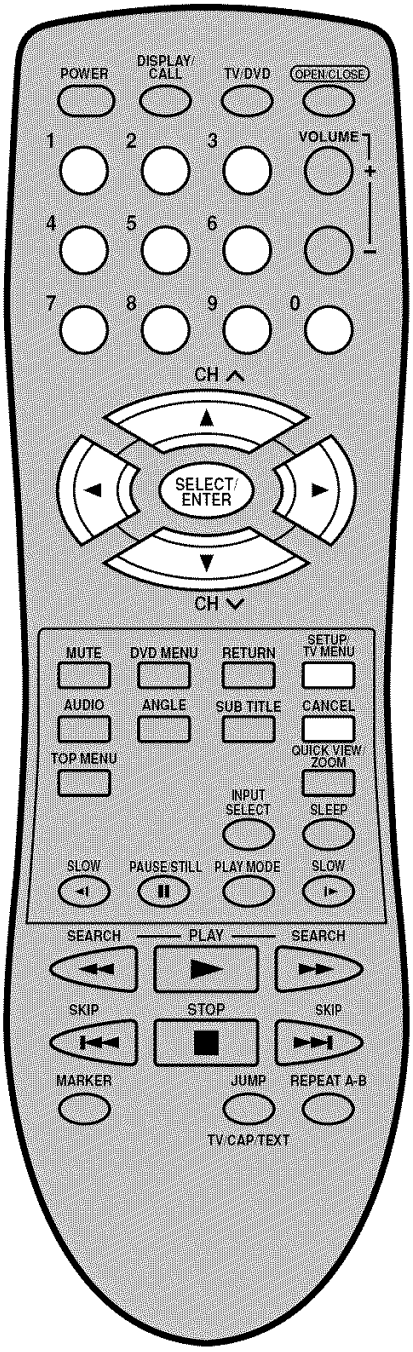
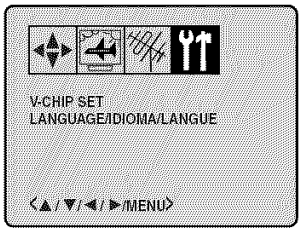


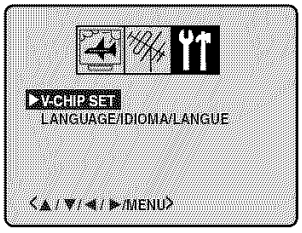

## CHANGE THE PASSWORD

1 Press **TV/DVD**. Press **TV MENU**. The TV menu screen will appear.

2 Press ◀ or ▶ until OPTION menu appears.

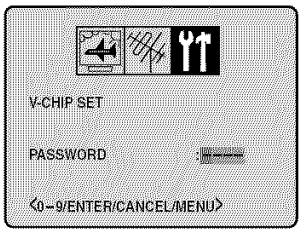



3 Press ▲ or ▼ to select the "V-CHIP SET", then press ◀ or ▶.

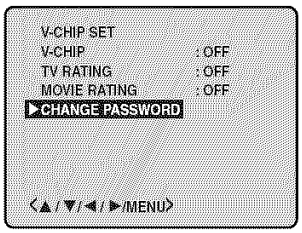



4 Enter the Password using the **number buttons (0-9)**, then press **ENTER**.

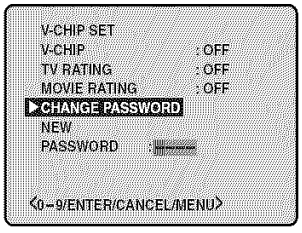
- If you enter an incorrect number, press **CANCEL**.



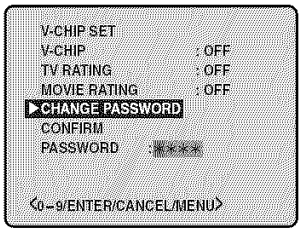

5 Press ▲ or ▼ to select "CHANGE PASSWORD", then press ◀ or ▶.




6 Enter a new password using the **number buttons (0-9)**, then press **ENTER**.




7 Enter the new password again for confirmation, then press **ENTER**.




8 Press **TV MENU** repeatedly to return to normal screen.



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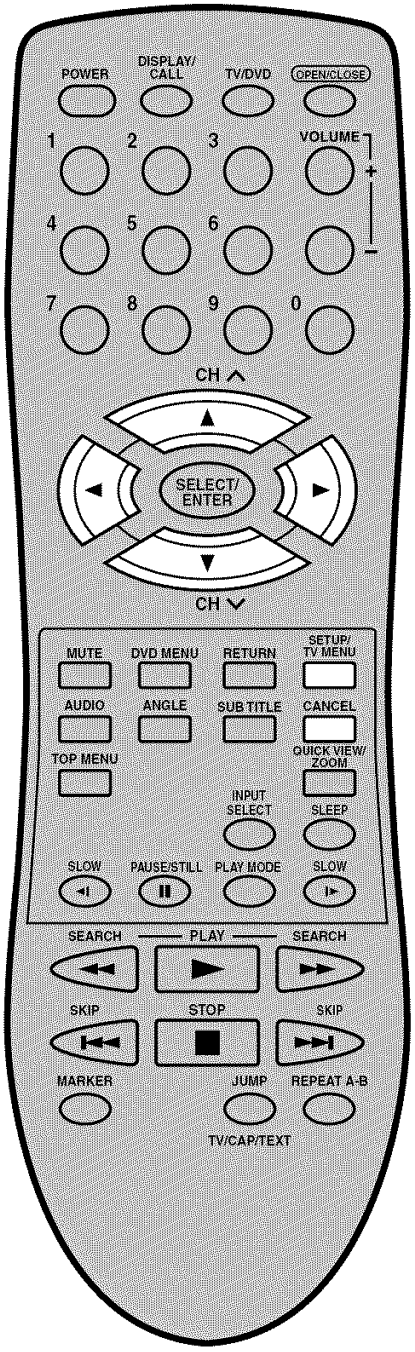
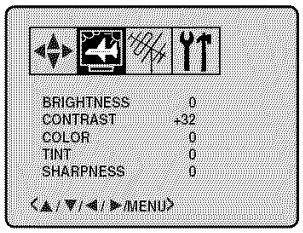
# Picture control adjustment

**Picture controls are factory preset but you can adjust them individually:**

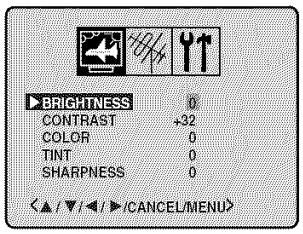



**1** Press **TV MENU**.
The TV menu screen will appear.

**2** Press ◀ or ▶ until the PICTURE menu appears.




**3** Press ▲ or ▼ to select the item you want to adjust.




**4** Press ◀ or ▶ to adjust the setting.

| | ◀ | ▶ |
|---|---|---|
| **BRIGHTNESS** | decrease brightness | increase brightness |
| **CONTRAST** | decrease contrast | increase contrast |
| **COLOR** | pale color | brilliant color |
| **TINT** | reddish color | greenish color |
| **SHARPNESS** | makes picture softer | makes picture clearer |

**5** After changing your desired setting press **TV MENU** until the MENU disappears

## CANCEL

To return all settings to factory levels, press **CANCEL** while you're in the PICTURE menu.

**NOTE:**
The CONTRAST default setting is set to maximum at the factory.



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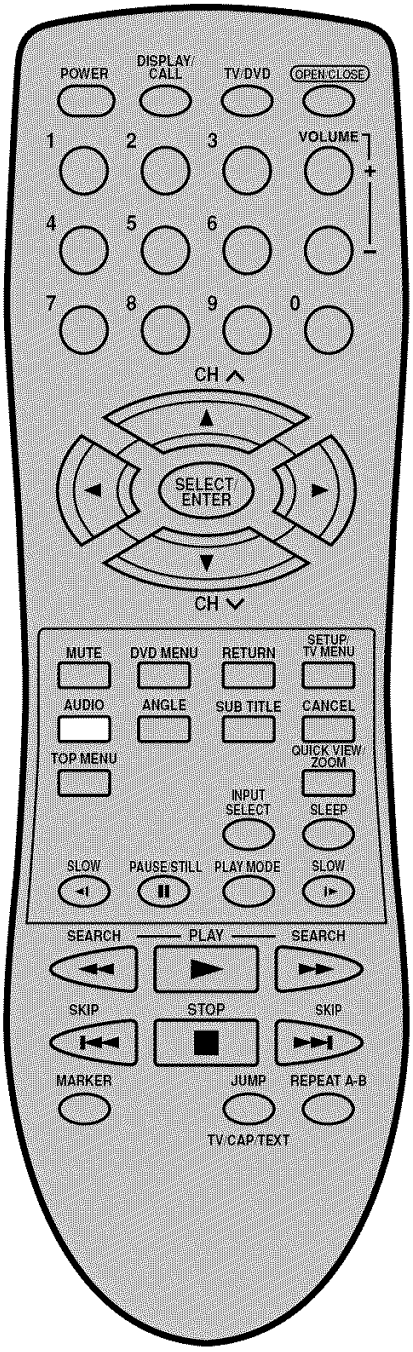
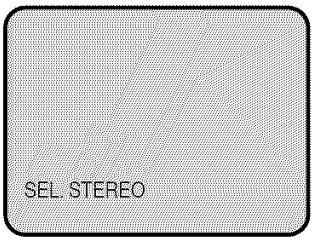
# Stereo and second audio program (SAP)

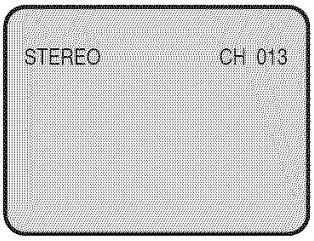
The TV/DVD is equipped with a feature known as Multi-channel TV Sound or MTS. MTS broadcasts greatly enhance TV viewing by bringing you programs with high fidelity stereo sound.
MTS also provides an extra channel called the Second Audio Program or SAP which broadcasters can use to transmit a second language for bilingual transmission or for other purposes.




## LISTENING TO STEREO SOUND

When the TV is turned on or a channel selection is made, select **AUDIO** for the desired sound. When SEL. STEREO or STEREO appears on the screen, this means that the broadcast is available in "Stereo". You can enjoy stereo sound from the left and right speakers.




- When "Mono" broadcasting is received, no indication is displayed.
- If the broadcast signal is not strong enough or clear stereo sound is not available, press **AUDIO** to change to mono sound. The noise should be eliminated. Press it again to return to the stereo sound.

## LISTENING TO SAP (SECOND AUDIO PROGRAM)

When the TV is turned on or a channel selection is made, select **AUDIO** for the desired setting. When SAP appears on the screen, this means that the "Second Audio Program" broadcasting is available.

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The unit detects whether the disc loaded is a DVD disc or Audio CD and automatically sets the mode.

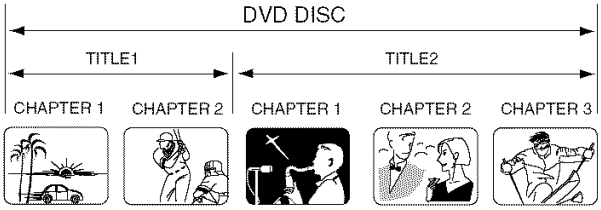
## DISC WARNING

Do not play DVD-ROM, DVD-Audio, CD-ROM, CD-R, CDV, CD-G, Video CD or Photo CD to prevent accidental erasure of prerecorded material.
This unit applies to DVD discs from Region 1 only. Other Region number discs cannot be played with this unit.
This unit does not play mp3 files.

## Title/Chapter/Track

### Title

When two or more movies are recorded on a disc, the disc is divided into two or more sections. Each section is called a “TITLE”.

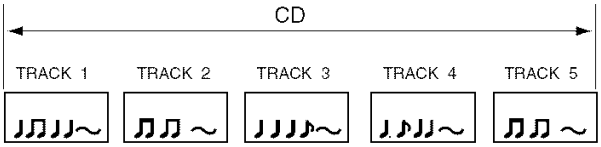



### Chapter

The titles can be subdivided into many sections. Each section is called a “CHAPTER”.

### Track

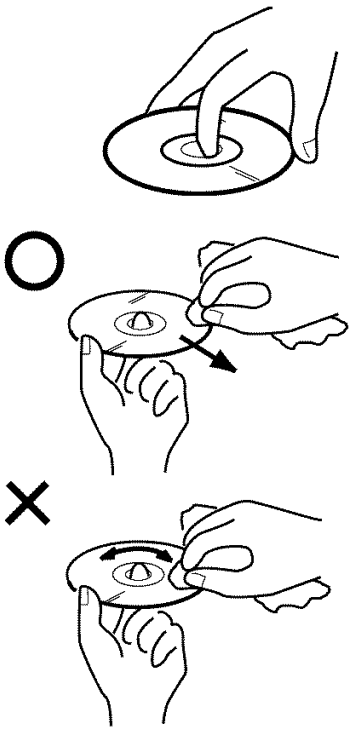
An Audio CD can contain several items.
These are assigned to the tracks.




## Removing Disc from Case

Be sure to hold the edge of disc. Do not touch the surface of the disc.
Pick up the disc gently from the case.

- Do not scratch the disc.
- Do not get dirt on the surface of the disc.
- Do not stick a label or adhesive tape on the disc.
- Do not drop or bend the disc.



## Storing Disc

- Store the disc in the case to avoid risk of scratches, dirt or damage.
- Do not leave disc exposed to direct sunlight or in hot or humid places.

## Cleaning Disc

Wipe the disc with a clean, dry cloth from center to edge.
- Do not wipe the disc in a circular motion.
- Do not use liquid or aerosol cleaners.



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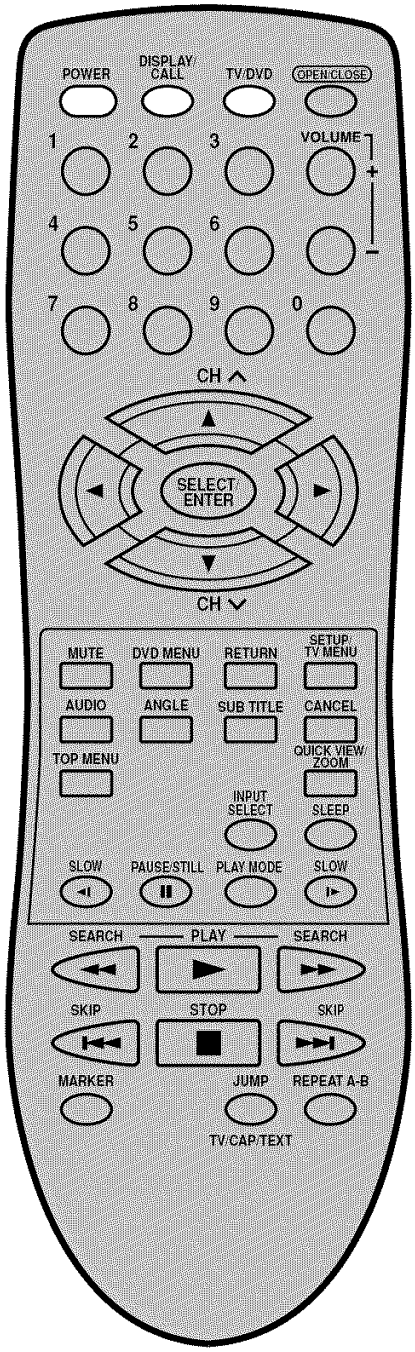
# Preparation/Status display of disc

**The following pages describe the setup/operation in DVD mode.**




**NOTE:**

**If the unit does not operate properly:**
Static electricity, etc., may affect the player's operation. Disconnect the AC power cord once, then connect it again.

## Preparation

Before DVD/CD operation, please make preparations as follows.

1 Insert the AC cord plug into a standard 120V 60Hz polarized AC outlet.
- If the AC cord plug is plugged in for the first time, wait for about 5 seconds before pressing **POWER**.

**NOTE:** When connecting to other equipment, unplug the unit from the AC outlet.

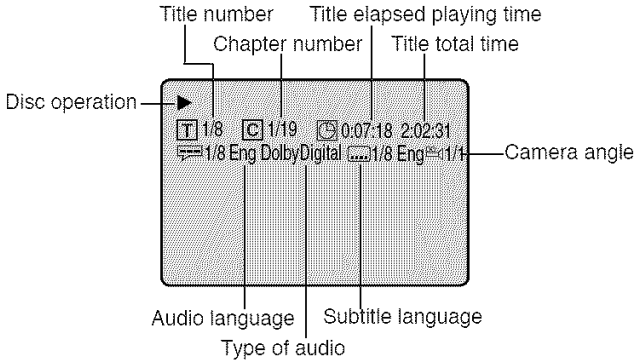
2 Press **POWER** on the unit or on the remote control to turn on the unit. The POWER indicator will light.
- Every time you press **POWER**, the TV/DVD starts from TV mode.
- When using an amplifier, switch on the amplifier.

3 Press **TV/DVD** to select DVD mode.
The DVD startup screen will appear on the screen.

## Status display of disc

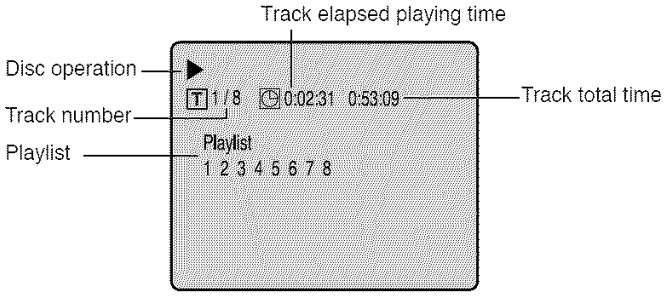
Press **DISPLAY/CALL**. The status display of the disc will appear on the screen.

**DVD**




To make status display disappear, press **DISPLAY/CALL** again.

**Audio CD**




- When you play a CD disc, the status display will appear and remain on the screen.



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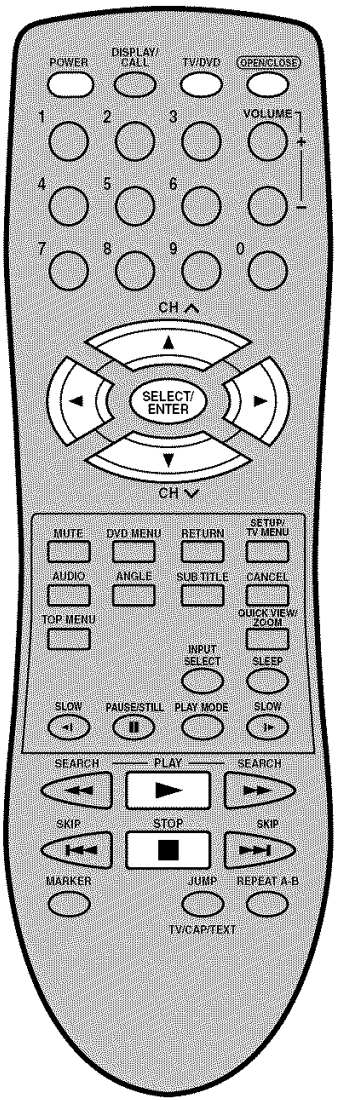
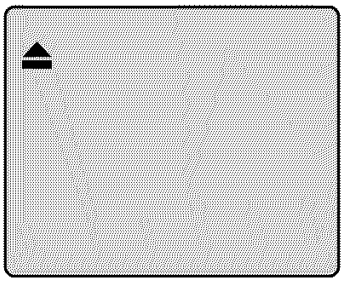


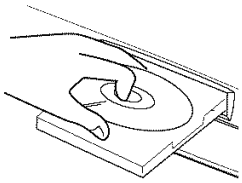

**NOTES:**

- If a non-compatible disc is loaded, "Incorrect Disc", "Region Code Error" or "Parental Error" will appear on the TV screen according to the type of loaded disc. If these appear, check your disc again (see pages 25 and 37).
- Some discs may take a minute or so to start playback.
- When you set a single-faced disc label downwards (i.e. the wrong way up) and press **PLAY** or **OPEN/CLOSE** on the unit, "" will appear on the display for about 6 seconds and then "No Disc" or "Incorrect Disc" will be displayed.
- Some playback operations of DVDs may be intentionally fixed by software producers. Since this unit plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.

**1** Press **TV/DVD** to select DVD mode.
Press **OPEN/CLOSE** on the unit or the remote control. The disc tray will open.

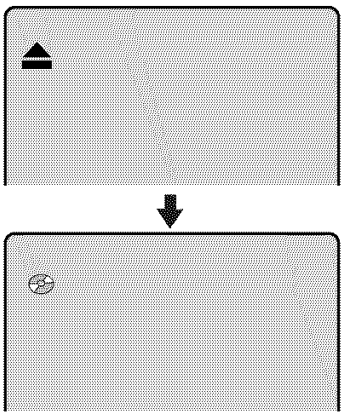


**2** Place a disc onto the tray. Position it with the printed label side up, align it with the guides, and place it in its proper position.



**3** Press **OPEN/CLOSE** or **PLAY**.
The disc tray closes automatically.
The TV-screen, ⏏ changes to "" and then playback commences.

- A menu screen will appear on the TV screen, if the disc has a menu feature.



**4** Press ▲/▼ or ◀/▶ to make a selection.

**5** Press **SELECT**.
- Title is selected and play commences.

**6** Press **STOP** to end playback.
- The unit memorizes the stopped point, depending on the disc. "" appears on the screen. Press **PLAY** to resume playback (from the scene point).
- If you press **STOP** again or unload the disc ("■" appears on the screen.), the unit will clear the stopped point.

**7** Press **OPEN/CLOSE**.
The disc tray opens.
Remove the disc and press **OPEN/CLOSE** then press **POWER**.
The disc tray closes automatically and unit turns off.



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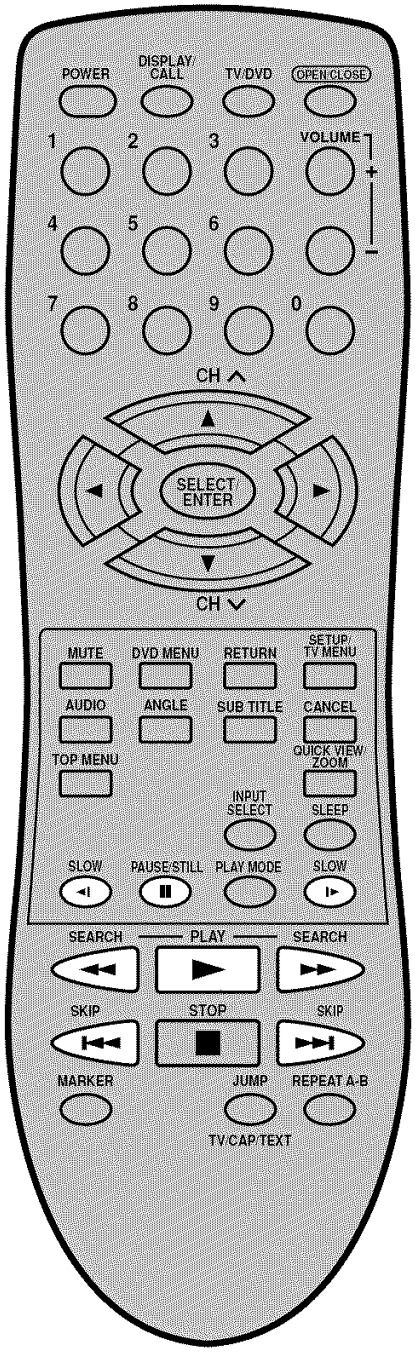
# Special playback

**Note: There may be a slight delay between when you press the button and when the function is activated.**




**WARNING:**
The unit is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time, you risk permanent damage to your television screen.

## Fast Forward Playback

Press **SEARCH** ▶▶ during normal playback.
Each press of the **SEARCH** ▶▶ button will increase the speed of the search ▶▶ (x 2), ▶▶▶ (x 4), ▶▶▶▶ (x 8), ▶▶▶▶▶ (x 15).
[(CD: ▶▶ (x 2), ▶▶▶ (x 4), ▶▶▶▶ (x 8), ▶▶▶▶▶ (x 20)]

• To resume normal playback, press **PLAY**.

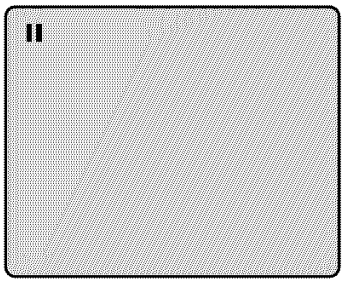
## Review Playback

Press **SEARCH** ◀◀ during normal playback.
Each press of the **SEARCH** ◀◀ button will increase the speed of the search ◀◀ (x 2), ▶▶ (x 4), ◀◀◀◀ (x 8), ◀◀◀◀◀ (x 15).
[(CD: ◀◀ (x 2), ◀◀◀ (x 4), ◀◀◀◀ (x 8), ◀◀◀◀◀ (x 20)]

• To resume normal playback, press **PLAY**.

## Still Playback

Press **PAUSE/STILL** during normal playback to pause playback.




To resume normal playback, press **PLAY**.

## Frame Advance

Press **PAUSE/STILL** during still playback.
One frame is advanced each time you press **PAUSE/STILL**.

To resume normal playback, press **PLAY**.

## Slow-motion Playback

Press **SLOW(◄I)** Reverse or **SLOW(I►)** Forward during normal playback or still playback.
Each press of **SLOW** will change the speed of the slow x1/2, x1/4, x1/6, x1/8.

• To resume normal playback, press **PLAY**.
• To resume the still playback, press **PAUSE/STILL**.

## Locating a chapter or track

Press **SKIP(▶▶I)** Forward or **SKIP(I◀◀)** Reverse during playback to locate a chapter that you want to watch.
Each time you press the button, a chapter or track is skipped.



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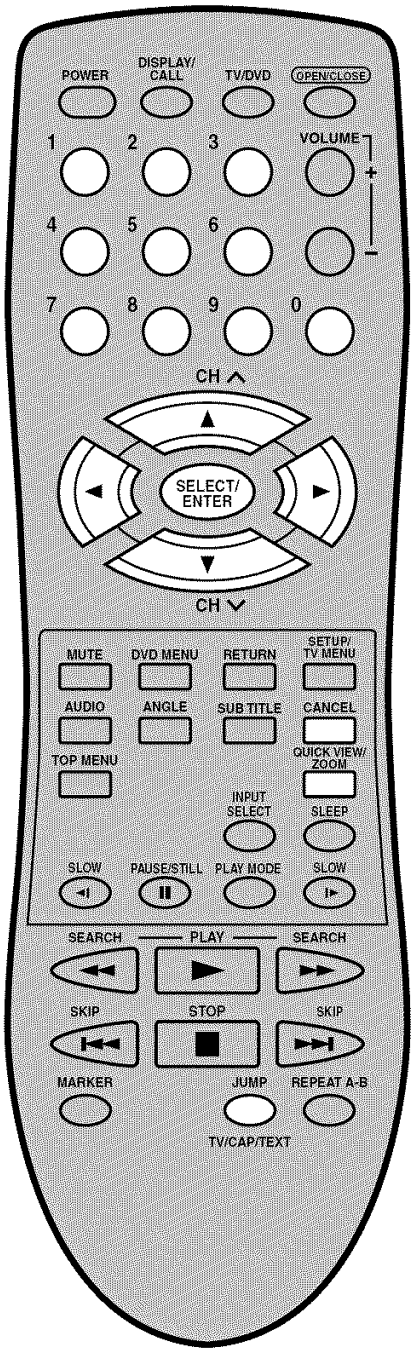


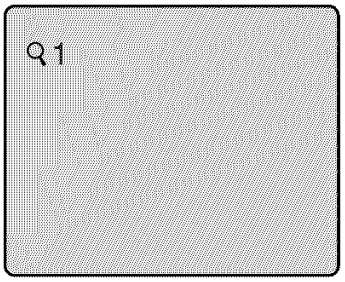

**NOTES:**

- You can select the Pause, Slow or Search playback in the zoom mode.
- Some discs may not respond to zoom feature.

## Zooming

**This unit will allow you to zoom in on the frame image. You can then make selections by switching the position of the frame.**

1 Press **ZOOM** during playback.
The center part of the image will be zoomed in.
Each press of **ZOOM** will change the ZOOM 1 (x 2), 2 (x 3) and 3 (x 4).



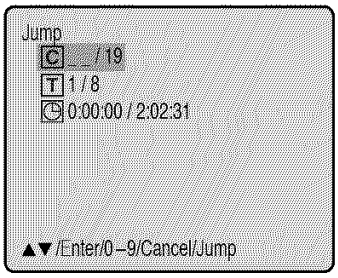

2 Press ▲/▼/◀/▶ to view a different part of the frame.
You may move the frame from the center position to UP, DOWN, LEFT or RIGHT direction.

3 In the zoom mode press **ZOOM** repeatedly to return to a 1:1 view ( Off).

## Locating Desired Scene

**Use the title, chapter and time recorded on the disc to locate the desired point to play back.**

1 Press **JUMP** during playback.




2 Press ▲ or ▼ to select the "C (Chapter)", "T (Title/Track)" or "(Time)".

3 Press **Number buttons (0–9)** to input the number.

- If you input a wrong number, press **CANCEL**.
- Refer to the package supplied with the disc to check the numbers.

4 Press **ENTER**.

- Playback starts.
- When you change the title, playback starts from Chapter 1 of the selected title.
- Some discs may not work in the above operation.



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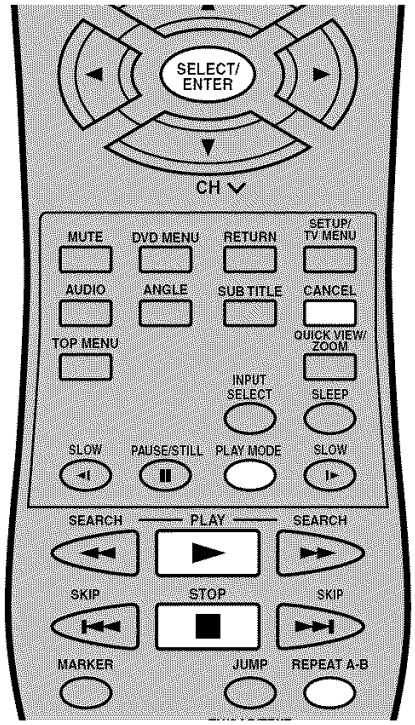
# Repeat/Random/Program playback and Repeat A-B

Press **PLAY MODE** during playback or stop mode.
Each time you press **PLAY MODE**, playback mode changes as follows.

### DVD

| On screen display | Operation |
|---|---|
| ↻ Title: | Repeats the current title. |
| ↻ Chapter: | Repeats the current chapter. |
| ↻ Off: | Resumes normal playback. |

- During stop mode, **PLAY MODE** key is not effective.



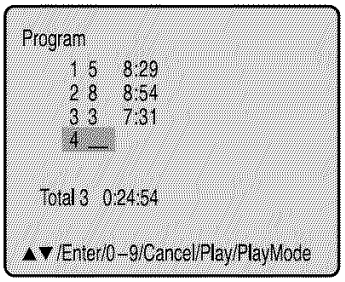

### Audio CD

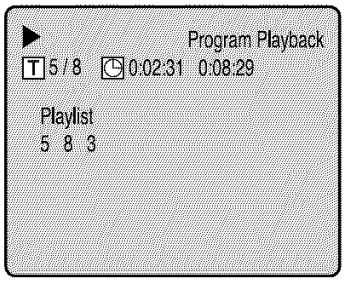
| On screen display | Operation |
|---|---|
| ↻ All: | Repeats entire disc. |
| ↻ Track: | Repeats the current track. |
| Random Play: | Plays the tracks in random order. |
| *Program: | Plays the tracks in program order. |
| (Status display): | Resumes normal playback. |

- During stop mode, you cannot select "↻ Track".

## *Program menu

Use **number buttons (0–9)** to enter the track's number you want to program, then press **ENTER**. The track number and total time are displayed. Repeat this step to enter additional tracks. When you have finished entering tracks, press **PLAY** to start Program playback.
A playlist of your programmed tracks is displayed.



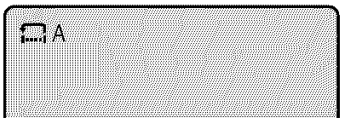




**NOTES:**
- If you enter an incorrect number – press **CANCEL**.
- To cancel program play, press **STOP** 3 times.
- To clear the programs on the program menu – press **CANCEL** until all programs are cleared.
- The program is cancelled when you open the disc tray or turn off the power.

## Repeat A-B

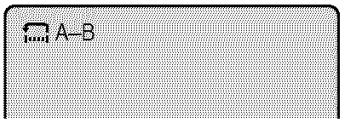
**Repeat A-B playback allows you to repeat material between two selected points.**

1 Press **REPEAT A-B** during playback.
The start point is selected.




2 Press **REPEAT A-B** again.
The end point is selected. Playback starts at the point that you selected. Playback stops at the end point, returns to Point A automatically, then starts again.

To resume normal playback press **REPEAT A-B** again. "Off" appears on the screen.




**NOTES:**
- Some discs may not work with the repeat operation.
- In Repeat A-B mode, subtitles near point A or B may not appear.
- You may not be able to set Repeat A-B, depending on the scenes of the DVD.
- Repeat A-B does not work with interactive DVDs.



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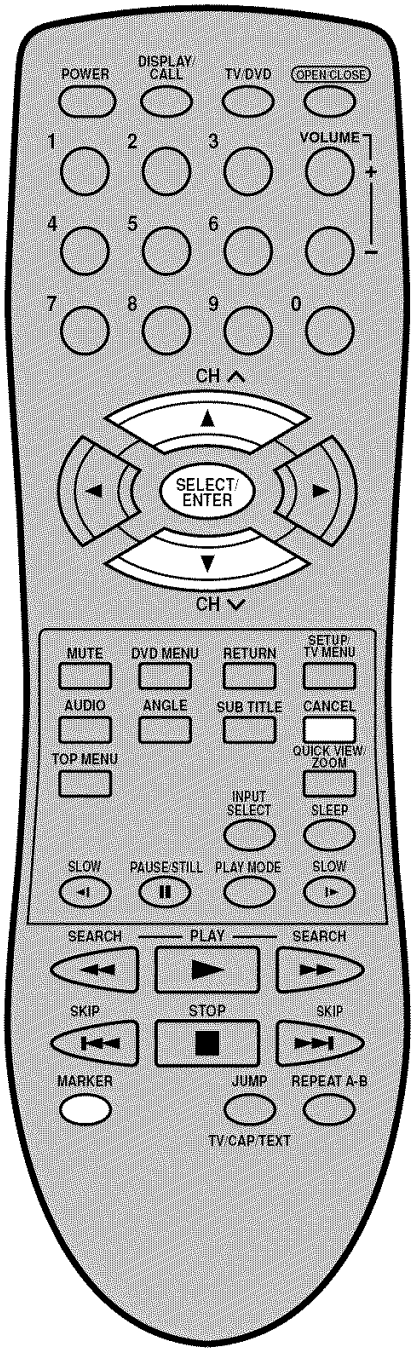
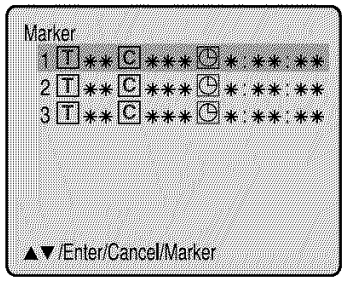
**The TV/DVD stores the points that you want to watch again. You can resume playback from that scene.**



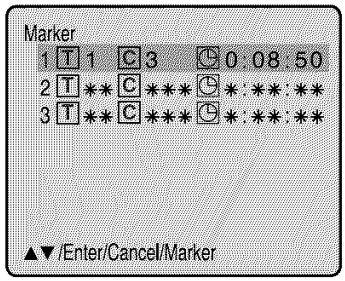

## Marking the Scenes

**1** Press **MARKER** during playback.




**2** Select the blank Marker using ▲/▼, then press **ENTER** at the desired scene.

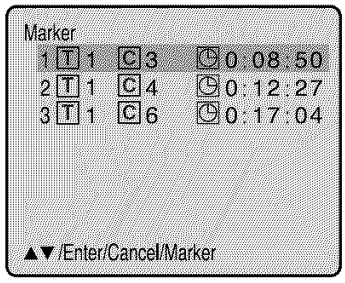
- Up to 3 scenes can be selected.
- Repeat this procedure to set the other 2 scenes.



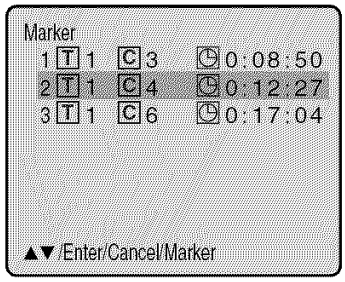

**3** Press **MARKER** to remove this display.

## Returning to the Scenes

**1** Press **MARKER** during playback or stop mode.




**2** Press ▲ or ▼ to select the Marker 1-3.




**3** Press **SELECT**.
Playback starts from the marked scene.

**NOTES:**

- The marking is canceled when you open the disc tray or turn the power off.
- Some subtitles recorded around the marker may fail to appear. [DVD]

## To Cancel the Mark

**1** Press **MARKER**.

**2** Press ▲ or ▼ to select the Marker 1-3.

**3** Press **CANCEL**.



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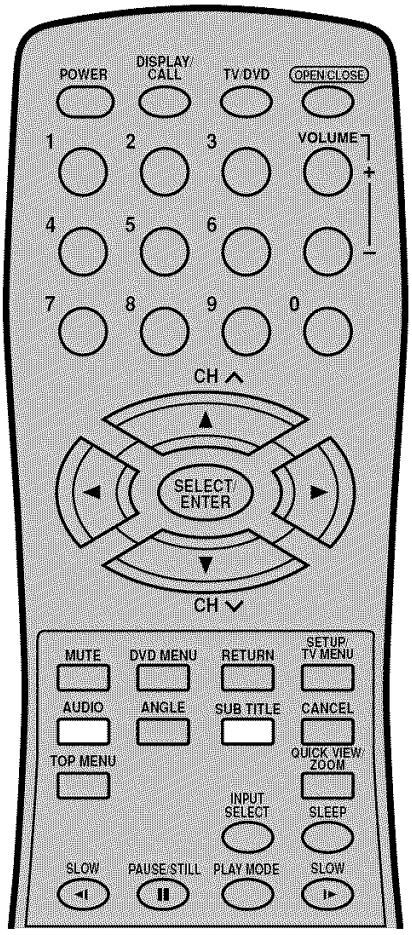
# Changing soundtrack language/Subtitles




## Changing soundtrack language

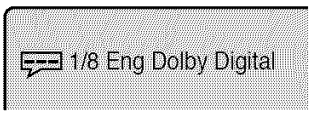
**You can select the language when you play a multilingual disc.**

1 Press **AUDIO** during playback.

The current soundtrack language will appear.

2 Press **AUDIO** repeatedly until the desired language is selected.

The on-screen display will disappear after a few seconds.

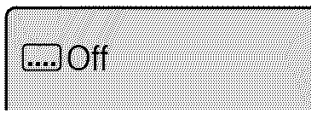



## Subtitles

### Turning the Subtitles On and Off

**When playing back a disc recorded with subtitles, you can turn the subtitles on or off.**

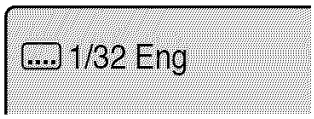
Press **SUB TITLE** during playback until "Off" appears.




### Changing the subtitle language

**You can select the language when playing back a disc recorded with multi-lingual subtitles.**

1 Press **SUB TITLE** repeatedly during playback until your desired language appears.




2 The on-screen display will disappear after a few seconds.

**NOTES:**

- If the desired language is not heard after pressing the SUB TITLE button several times, the language is not recorded on the disc.
- Changing soundtrack language is cancelled when you open the disc tray. The initial default language or available language will be heard if the disc is played back again.
- Changing subtitle language is cancelled when you open the disc tray.
- Some functions may not work on some DVDs. You may not be able to turn subtitles on or off or change subtitles. While playing the DVD, the subtitle may change when:
  - you open or close the disc tray
  - you change the title.
- In some cases, the subtitle language is not changed to the selected one immediately.



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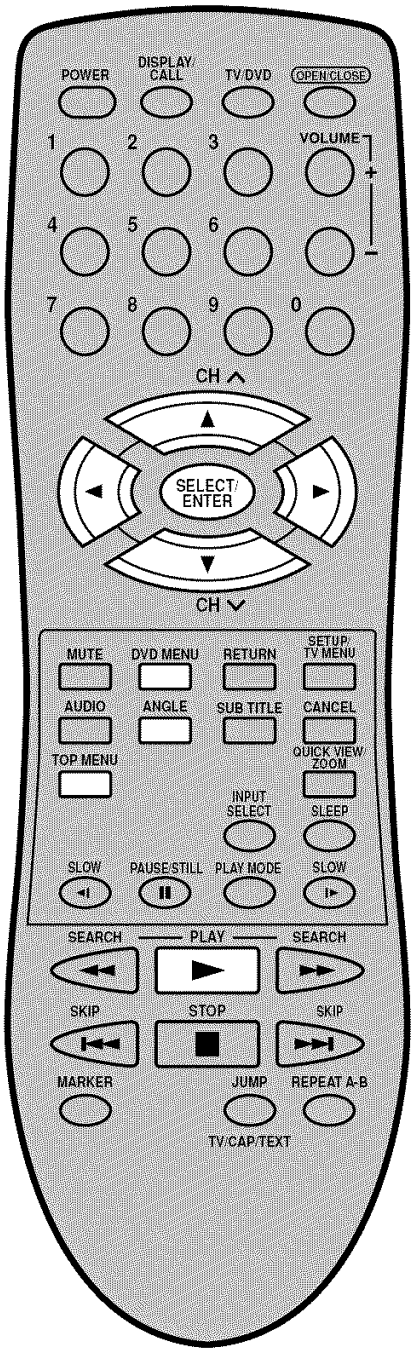
# Changing angles/Title selection/DVD menu

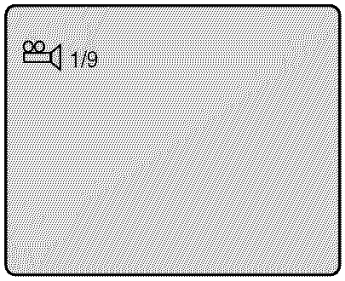



## Changing angles

**When playing back a disc recorded with multi-angle facility, you can change the view angle.**

1 Press **ANGLE** during playback.

The current angle will appear.




2 Press **ANGLE** repeatedly until the desired angle is selected.

## Title selection

**Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.**

1 Press **TOP MENU** during playback.
Title menu appears on the screen.

2 Press ▲/▼ or ◀/▶ to select the desired title.

3 Press **ENTER** or **PLAY**.
The playback of the selected title will start.

## DVD menu

**Some DVDs allow you to select the disc contents using the menu.**
**When you play back these DVDs, you can select the subtitle language and sound-track language,etc. using the DVD menu.**

1 Press **DVD MENU** during playback.
The DVD menu appears on the screen.

- Press **DVD MENU** again to resume playback at the scene when you pressed **DVD MENU**.

2 Press ▲/▼ or ◀/▶ to select the desired item.

3 Press **ENTER**.
The menu continues to another screen. Repeat steps **2** and **3** to set additional items if any.

**NOTES:**

- Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.
- Depending on the DVD, you may not be able to select the title. Depending on the DVD, a "title menu" may simply be called a "menu" or "title" in the instructions supplied with the disc.



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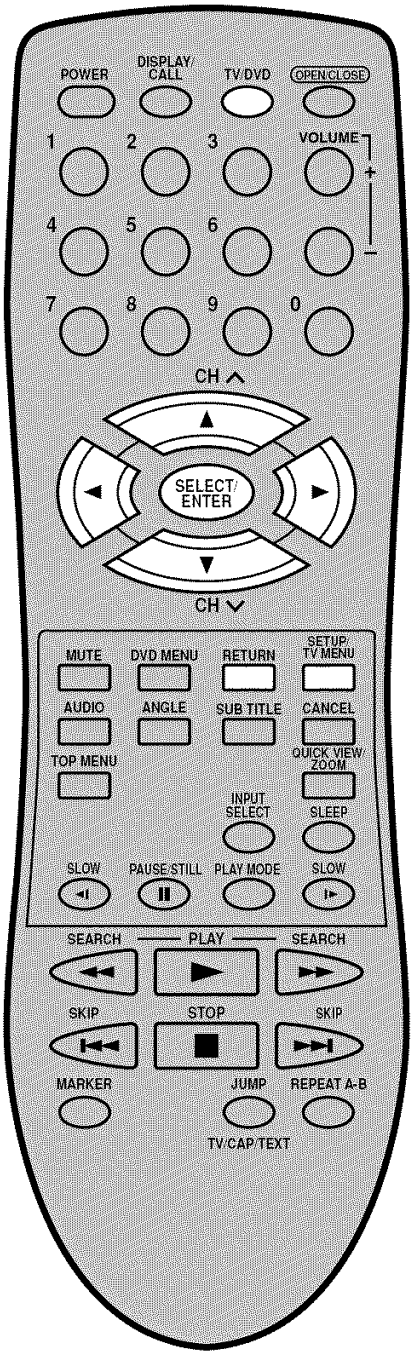
# Setting language

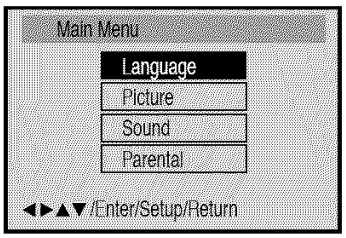
**You can change the default settings to customise performance to your preference.**



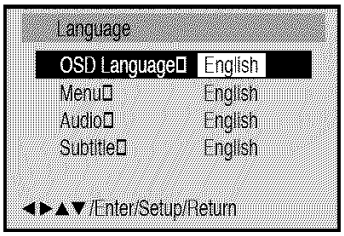

**NOTES:**

- If the selected soundtrack language is not recorded on the disc, the original language will be heard.
- If the selected subtitle language is not recorded on the disc, the first-priority language is selected.

**1** Press **TV/DVD** to select DVD mode.
Press **SETUP** in the stop mode or No Disc.
Press ▲ or ▼ to select "Language", then press ▶ or **ENTER**.

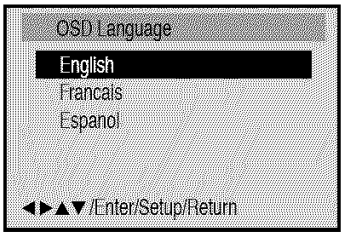



**2** Press ▲ or ▼ to select "OSD Language", then press ▶ or **ENTER**.




**3** Press ▲ or ▼ to select desired language (e.g. English), then press **ENTER**.
The menu returns to "Language" menu automatically.

- If you want to return to the previous menu, press ◀ or **RETURN**.




**4** Repeat steps **2-3** for other "Language" setting.

**Other Selection: (Menu/Audio/Subtitle)**
If you want to select another language, enter the language code (see the Language code list on page 40).

**Off: (subtitle)**
Subtitles do not appear.

**5** Press **SETUP** to remove the Menu screen.



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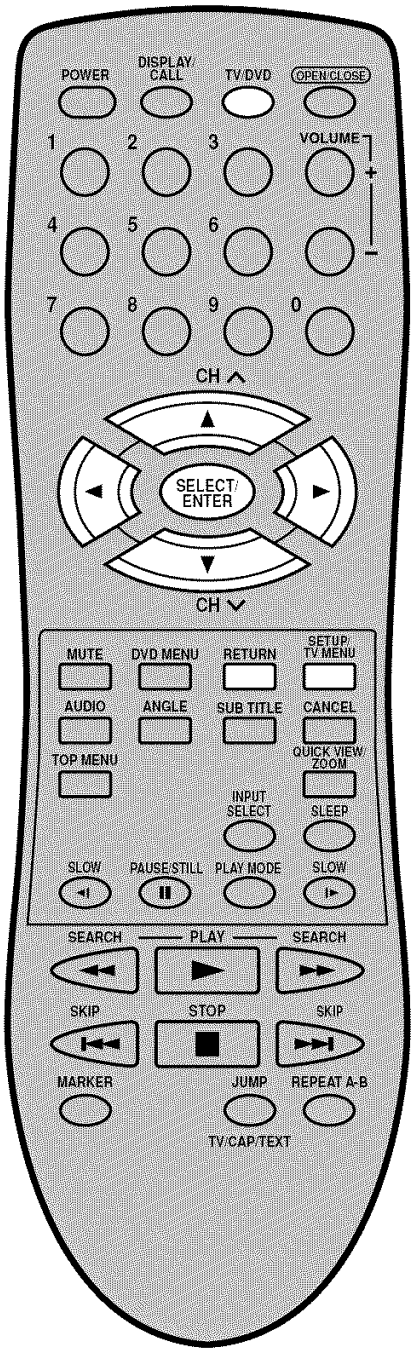
# Setting the aspect ratio of TV screen/Setting on screen display

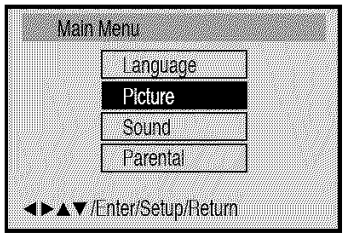



**NOTE:**
If the DVD disc is not formatted in the pan & scan style, it displays 4:3 style.

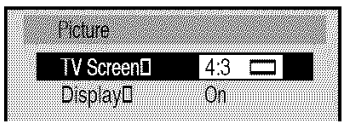
## Setting the aspect ratio of TV screen

**You can select the aspect ratio for your TV.**

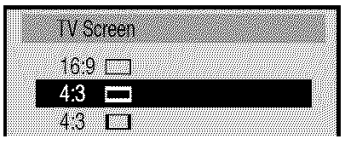
1 Press **TV/DVD** to select DVD mode.
Press **SETUP** in the stop mode or No Disc.
Press ▲ or ▼ to select "Picture", then press ▶ or **ENTER**.




2 Press ▲ or ▼ to select "TV Screen", then press ▶ or **ENTER**.




3 Press ▲ or ▼ to select your desired screen type, then press **ENTER**.




You have the following screen sizes to choose from:

**16:9 Wide screen**
Select this mode when connecting to a wide-screen TV. A wide screen picture is displayed full size.

**4:3 Letterbox**
Select this mode when connecting to a conventional TV. When playing back a wide screen-DVD disc, it displays the wide picture with black bands at the top and bottom of screen.

**4:3 Panscan**
It displays the wide picture on the whole screen with left and right edges automatically cut off.

- If you want to return to the previous menu, press ◀ or **RETURN**.

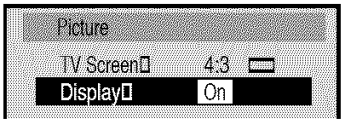
4 Press **SETUP** to remove the Menu screen.

## Status on screen display

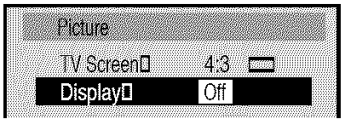
**On screen display can be switched on or off when you press the buttons.**

1 Press **TV/DVD** to select DVD mode.
Press **SETUP** in the stop mode or No Disc.
Press ▲ or ▼ to select "Picture", then press ▶ or **ENTER**.

2 Press ▲ or ▼ to select "Display".




3 Press ▶ or **ENTER** to select "On" or "Off".




**On:** On screen displays appear when you press the buttons (factory setting).
**Off:** On screen displays do not appear when you press any buttons.

- If you want to return to the previous menu, press ◀ or **RETURN**.

4 Press **SETUP** to remove the Menu screen.



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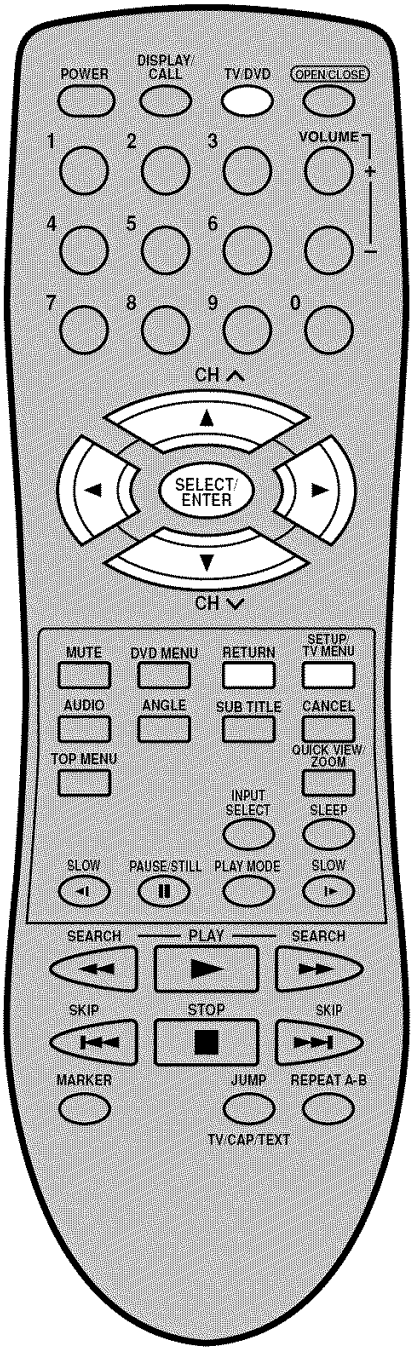
# Dynamic Range Control

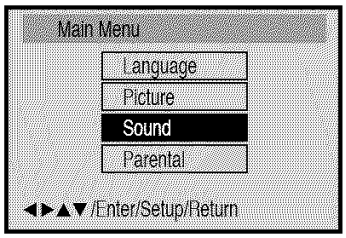
**DRC (Dynamic Range Control) enables you to control the dynamic range so as to achieve a suitable sound for your equipment.**



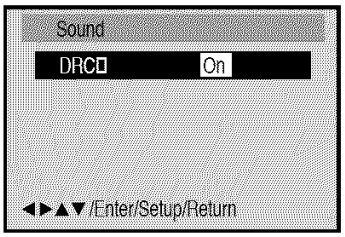

**NOTES:**

- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on DVD video disc.

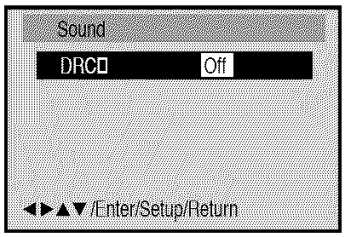
**1** Press **TV/DVD** to select DVD mode.
Press **SETUP** in the stop mode or No Disc.
Press ▲ or ▼ to select "Sound".




**2** Press ▶ or **ENTER** to select "DRC".




**3** Press ▶ or **ENTER** to select "On" or "Off".




- If you want to return to the previous menu, press ◀ or **RETURN**.

**4** Press **SETUP** to remove the Menu screen.



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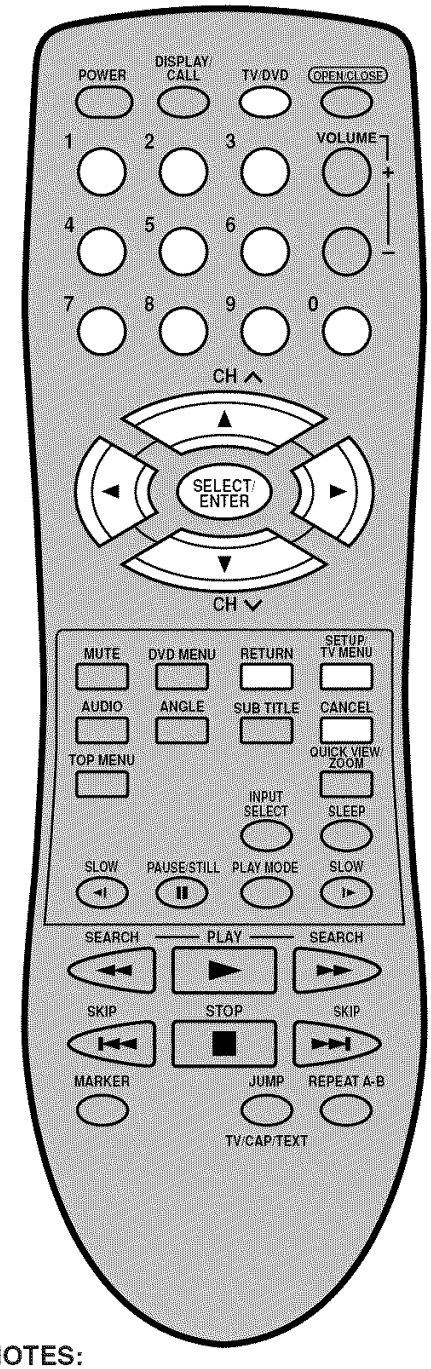
# Parental control setting

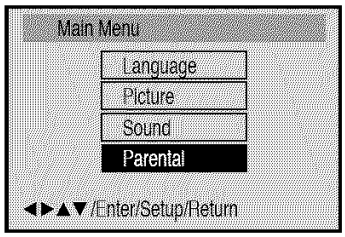
**Some discs are specified not suitable for children. Such discs can be prevented from play back with the unit.**



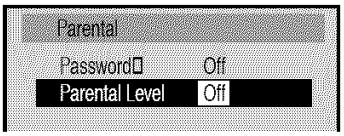

**NOTES:**

- **If each setup (P.34–38) has been completed, the unit can always be operated under the same conditions (especially with DVD discs).**
  **Each setup will be retained in the memory when you turn the power off.**
- If the disc is not rated the unit cannot limit playback.
- Some discs may not be encoded with specific rating level information though its disc jacket says "adult." For those discs, the age restriction will not work.

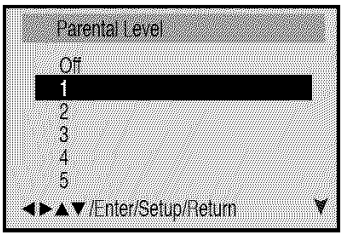
**1** Press **TV/DVD** to select DVD mode.
Press **SETUP** in the stop mode or No Disc.
Press ▲ or ▼ to select "Parental", then press ▶ or **ENTER**.




**2** Press ▲ or ▼ to select "Parental Level", then press ▶ or **ENTER**.

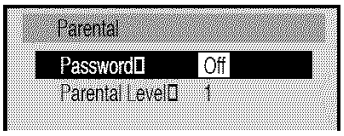



**3** Press ▲ or ▼ to select a level from Off or 1–8. Press ▶ or **ENTER** to set the selected level.

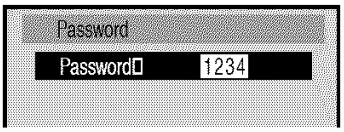



- **Level Off:** The parental control setting does not function.
- **Level 8:** Almost all DVD software can be played back.
- **Level 1:** DVD software for adults cannot be played back.
- Select from the level 1 to level 8. The limitation will be more severe as the level number is lower.

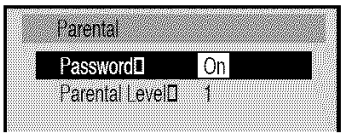
**4** Press ▲ or ▼ to select "Password", then press ▶ or **ENTER**.




**5** Press **number buttons (0–9)** for the password.
Don't forget the password.
- If you input a wrong number, press **CANCEL**.




**6** Press **ENTER** to store the password.
**Note:** Now the rating is locked and the setting cannot be changed unless you enter the correct password.




- If you want to return to the previous menu, press ◀ or **RETURN**.

**7** Press **SETUP** to remove the parental control screen.



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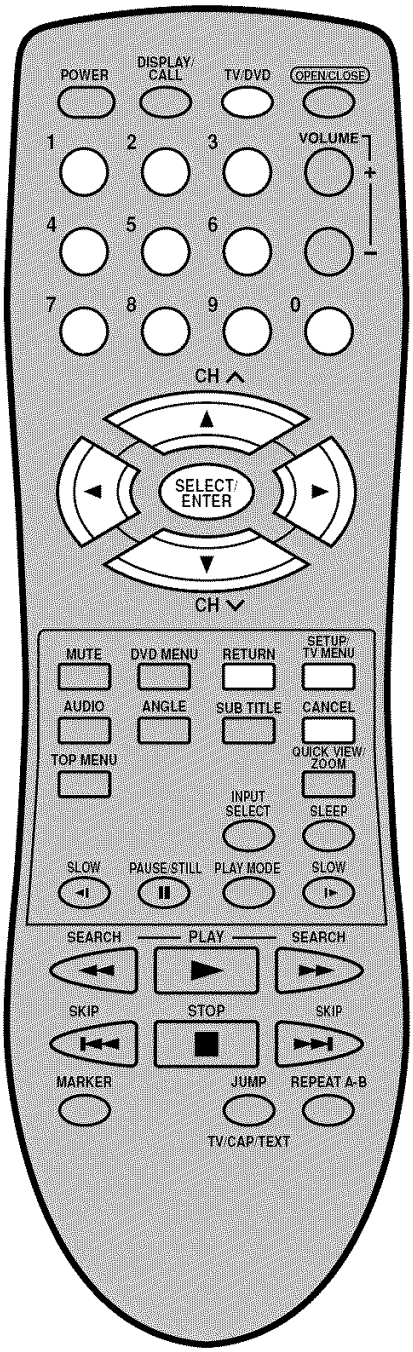
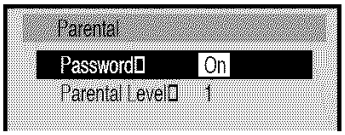
# To change the parental level




**NOTE:**
If you forget the password....
In the No Disc DVD mode, press and hold **STOP** on the unit, and simultaneously press and hold **7** on the remote control for more than 3 seconds. "PASSWORD CLEAR" appears on the screen. The password has been cleared.

**1** Press **TV/DVD** to select DVD mode.
Press **SETUP** in the stop mode or No Disc.
Press ▲ or ▼ to select "Parental", then press ▶ or **ENTER**.

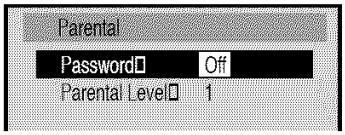
**2** Press ▲ or ▼ to select "Password", then press ▶ or **ENTER**.



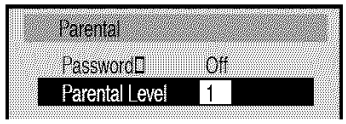

**3** Press **number buttons (0–9)** to enter the password you have stored.

• If you input a wrong number, press **CANCEL**.

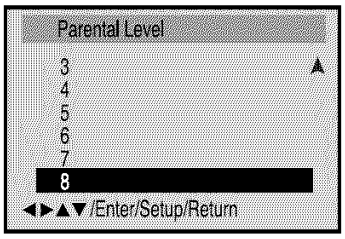
**4** Press **ENTER**.
The password is now Off.



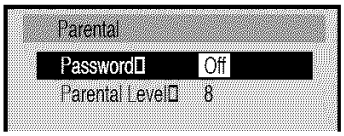

**5** Press ▲ or ▼ to select "Parental Level". Then press ▶ or **ENTER**. The Parental Level screen is displayed.



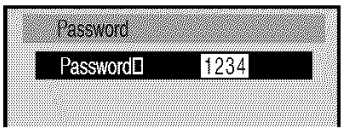

**6** Press ▲ or ▼ to select a level from Off or 1–8 and then press ▶ or **ENTER**.




**7** Press ▲ or ▼ to select "Password" and then press ▶ or **ENTER**.

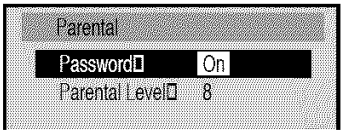



**8** Press **number buttons (0–9)** to enter a 4-digit password.




**Note:** You can enter a new password.

**9** Press **ENTER**.
The parental level is now changed and locked.




• If you want to return to the previous menu, press ◀ or **RETURN**.

**10** Press **SETUP** to remove the parental control screen.



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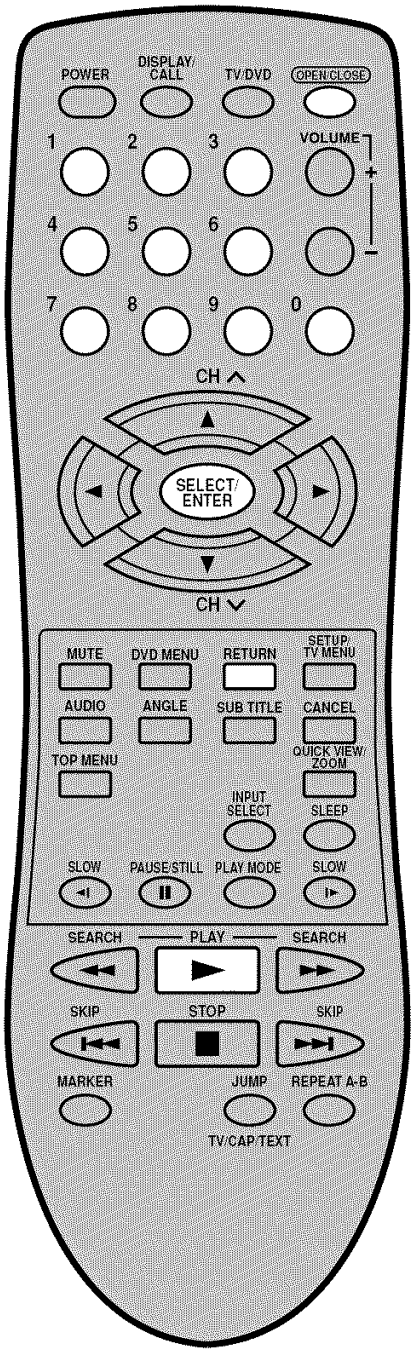
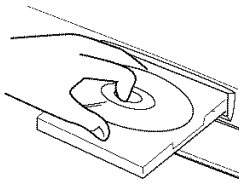
# Temporary disabling of rating level by DVD disc

**Depending on the DVD disc, the disc may try to temporarily cancel the rating level that you have set.**
**It is up to you to decide whether to cancel the rating level or not.**

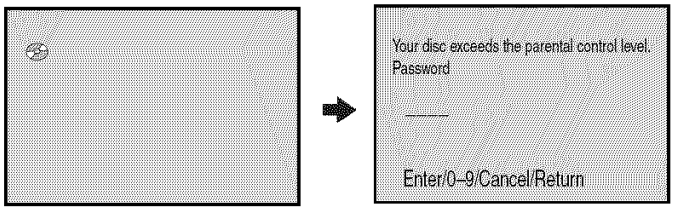



**NOTE:**
The rating level will remain disabled until the disc is ejected.
When the disc is ejected, the original rating level will be set again automatically.

1 Load a DVD disc and press **PLAY** (see page 27).



2 If the DVD disc has been designed to temporarily cancel the Rating level, the screen which appears after inserting a DVD will change, depending on which disc is played. If you select "YES" with the **ENTER** key, "Your disc exceeds the parental control level." screen will then appear.




3 If you wish to cancel the set rating level temporarily, enter the 4-digit password.
Then press **ENTER**.
Alternatively, if the password has not been set, playback will commence. If you don't know (or have forgotten) the password, select "STOP".
The setting screen will disappear. Press **OPEN/CLOSE** to remove the disc.

To quit entering, press **RETURN**.

4 Playback will commence if the entered password was correct.



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# Language code list

Enter the appropriate code number for the initial settings "AUDIO", "SUBTITLE" and/or "MENU LANGUAGE" (see page 34).

| Language Name | Code | Language Name | Code | Language Name | Code | Language Name | Code |
|---|---|---|---|---|---|---|---|
| Abkhazian | 1112 | Fiji | 1620 | Lingala | 2224 | Singhalese | 2919 |
| Afar | 1111 | Finnish | 1619 | Lithuanian | 2230 | Slovak | 2921 |
| Afrikaans | 1116 | French | 1628 | Macedonian | 2321 | Slovenian | 2922 |
| Albanian | 2927 | Frisian | 1635 | Malagasy | 2317 | Somali | 2925 |
| Amharic | 1123 | Galician | 1722 | Malay | 2329 | Spanish | 1529 |
| Arabic | 1128 | Georgian | 2111 | Malayalam | 2322 | Sundanese | 2931 |
| Armenian | 1835 | German | 1415 | Maltese | 2330 | Swahili | 2933 |
| Assamese | 1129 | Greek | 1522 | Maori | 2319 | Swedish | 2932 |
| Aymara | 1135 | Greenlandic | 2122 | Marathi | 2328 | Tagalog | 3022 |
| Azerbaijani | 1136 | Guarani | 1724 | Moldavian | 2325 | Tajik | 3017 |
| Bashkir | 1211 | Gujarati | 1731 | Mongolian | 2324 | Tamil | 3011 |
| Basque | 1531 | Hausa | 1811 | Nauru | 2411 | Tatar | 3030 |
| Bengali; Bangla | 1224 | Hebrew | 1933 | Nepali | 2415 | Telugu | 3015 |
| Bhutani | 1436 | Hindi | 1819 | Norwegian | 2425 | Thai | 3018 |
| Bihari | 1218 | Hungarian | 1831 | Oriya | 2528 | Tibetan | 1225 |
| Breton | 1228 | Icelandic | 1929 | Panjabi | 2611 | Tigrinya | 3019 |
| Bulgarian | 1217 | Indonesian | 1924 | Pashto, Pushto | 2629 | Tonga | 3025 |
| Burmese | 2335 | Interlingua | 1911 | Persian | 1611 | Turkish | 3028 |
| Byelorussian | 1215 | Irish | 1711 | Polish | 2622 | Turkmen | 3021 |
| Cambodian | 2123 | Italian | 1930 | Portuguese | 2630 | Twi | 3033 |
| Catalan | 1311 | Japanese | 2011 | Quechua | 2731 | Ukrainian | 3121 |
| Chinese | 3618 | Javanese | 2033 | Rhaeto-Romance | 2823 | Urdu | 3128 |
| Corsican | 1325 | Kannada | 2124 | Romanian | 2825 | Uzbek | 3136 |
| Croatian | 1828 | Kashmiri | 2129 | Russian | 2831 | Vietnamese | 3219 |
| Czech | 1329 | Kazakh | 2121 | Samoan | 2923 | Volapük | 3225 |
| Danish | 1411 | Kirghiz | 2135 | Sanskrit | 2911 | Welsh | 1335 |
| Dutch | 2422 | Korean | 2125 | Scots Gaelic | 1714 | Wolof | 3325 |
| English | 1524 | Kurdish | 2131 | Serbian | 2928 | Xhosa | 3418 |
| Esperanto | 1525 | Laothian | 2225 | Serbo-Croatian | 2918 | Yiddish | 2019 |
| Estonian | 1530 | Latin | 2211 | Shona | 2924 | Yoruba | 3525 |
| Faroese | 1625 | Latvian, Lettish | 2232 | Sindhi | 2914 | Zulu | 3631 |



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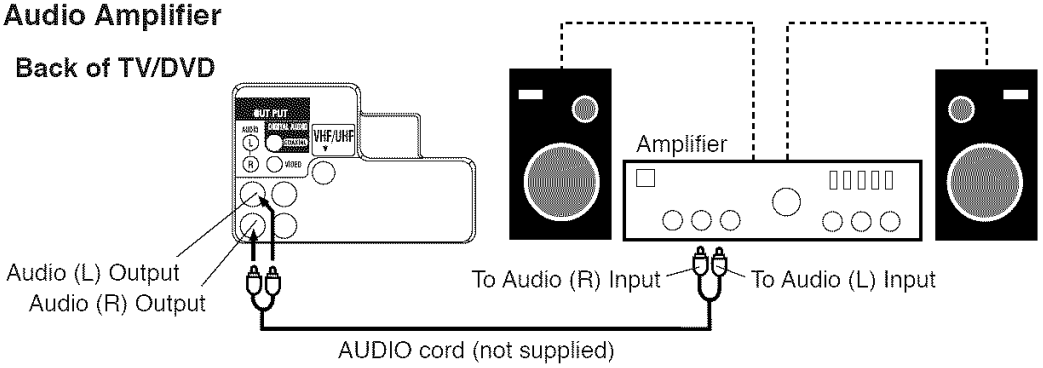
The exact arrangement you use to interconnect various video and audio components to the TV/DVD is dependent on the model and features of each component. Check the Owner's Manual provided with each component for the location of video and audio inputs and outputs.

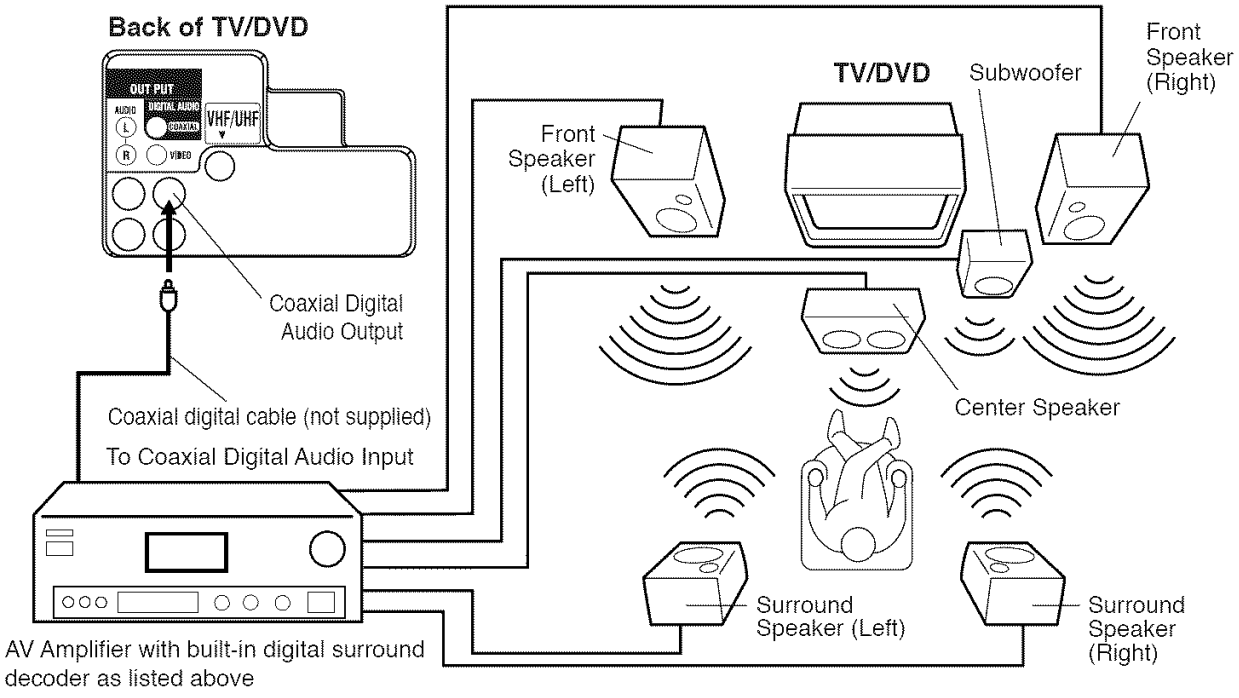
## Using an Audio Amplifier




## Using an AV Amplifier with built-in digital surround

If you are using an Amplifier with a built-in digital surround as shown below, you can enjoy the various audio systems including Dolby Digital Surround audio that sounds just like the movie.

**Connect an AV amplifier with built-in Dolby Digital decoder, DTS decoder, MPEG decoder as shown below.**




* Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. © 1992-1997 Dolby Laboratories, Inc. All rights reserved.
* “DTS” and “DTS Digital Out” are trademarks of Digital Theater Systems, Inc.

**NOTES:**

- When you make the connection above, on the AV Amplifier, do not set DOLBY DIGITAL to DOLBY DIGITAL, or MPEG to MPEG “ON”. If you do, a loud noise will emit from the speakers possibly causing damage to your hearing or to the speakers.
- Some DTS decoders which do not support DVD-DTS interface may not work properly with the unit.



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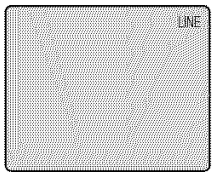
# Connections to other equipment

## Using the audio/video inputs

If you connect the TV/DVD to VCR, camcorder or video game console, you must access the Line Input Channel by pressing **INPUT SELECT**.

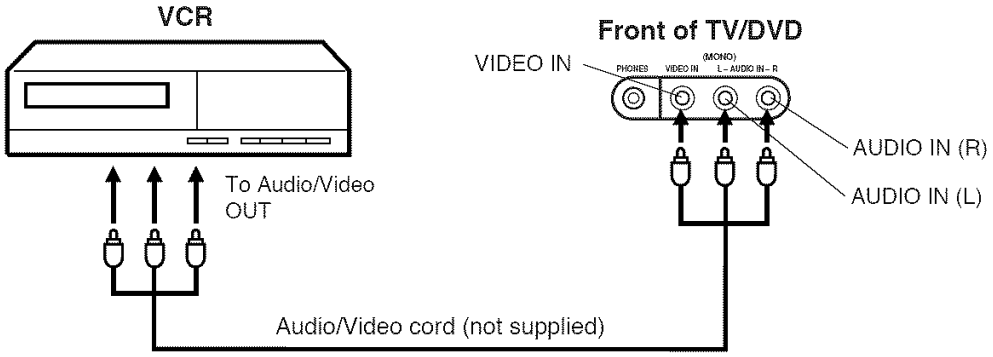
Press **INPUT SELECT** repeatedly to select the desired mode.
"LINE" or TV channel will display on the screen.




**NOTE:**
In the DVD mode this key will not operate.

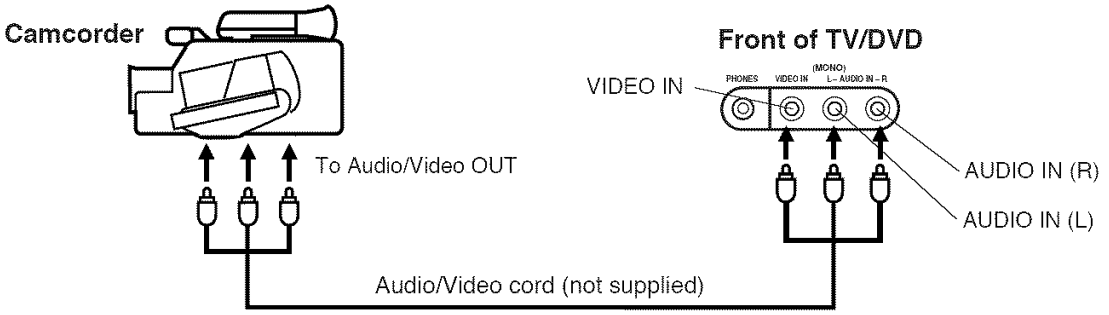
### To connect the TV/DVD to a VCR

Press the **INPUT SELECT** to select the desired mode to use the TV as a monitor.
Operate your VCR as usual.



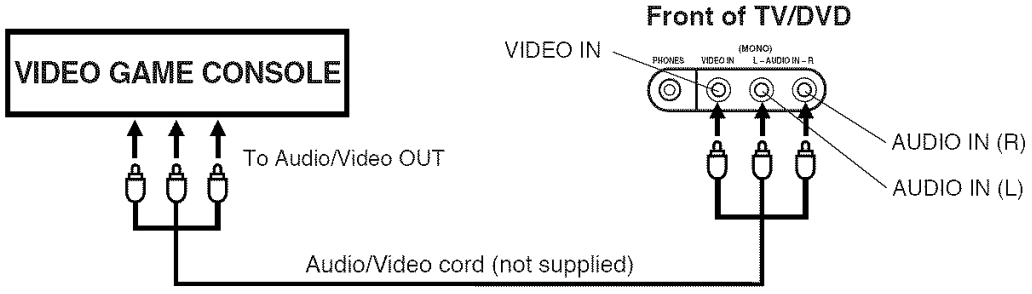

### To connect the TV to a camcorder

To playback from the camcorder, connect the camcorder to the TV/DVD as shown.




### To connect the TV to a Video Game Console

The TV/DVD can also be used as a display for many video games. However, due to the wide variety of different formats, they have not all been included in the connection diagrams. You'll need to consult each component's Owner's Manual for additional information.



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# Problems and troubleshooting

Use the following check list for troubleshooting when you have problems with your unit. Consult your local dealer or service outlet if problems persist.
Be sure all connections are properly made when using with other units.

| SYMPTOMS | POSSIBLE SOLUTIONS | PAGE |
|---|---|---|
| **POWER** | | |
| TV/DVD does not operate. | • Make sure the power cord is plugged in.<br>• Try another AC outlet.<br>• Power is off, check fuse or circuit breaker.<br>• Unplug unit, then plug it back in.<br>• Connect the DC car cord to the cigarette lighter socket.<br>• The DC car cord fuse is blown, replace fuse. | 11,12 |
| **TV BROADCAST RECEPTION** | | |
| Poor sound or No sound | • Station or CATV experiencing problems, tune to another station.<br>• Check Volume adjustments. | 15<br>15 |
| Poor picture or No picture | • Station or CATV experiencing problems, tune to another station.<br>• Check antenna or CATV connections, reorient antenna.<br>• Check picture control adjustments. | 15<br>12,13<br>23 |
| Poor reception on some channels | • Station or CATV experiencing problems, tune to another station.<br>• Station signal is weak, reorient antenna to receive weaker station. | 15<br>12,13 |
| Poor color or no color | • Station or CATV experiencing problems, tune to another station.<br>• Make sure channels are set into memory.<br>• Check picture control adjustments.<br>• Check antenna or CATV connections, reorient antenna. | 15<br>19<br>23<br>12,13 |
| Picture wobbles or drifts | • Station or CATV experiencing problems, tune to another station.<br>• Make sure channels are set into memory.<br>• CATV company is scrambling signal.<br>• Check antenna orientation. | 15<br>19<br>–<br>12 |
| No CATV reception | • Check all CATV connections.<br>• Set TV/CATV menu option to the CATV mode.<br>• Station or CATV system problems, try another station. | 13<br>18<br>15 |
| Horizontal or diagonal bars on screen | • Check antenna connections, reorient antenna. | 12,13 |
| No reception above channel 13 | • Make sure TV/CATV menu option is in the appropriate mode.<br>• If using antenna, check UHF antenna connections. | 18<br>12 |
| TV shuts off | • No broadcast on station tuned.<br>• Sleep Timer is set.<br>• Power interrupted. | 19<br>16<br>– |
| Closed - Caption is not activated. | • TV station experiencing problems or program tuned is not closed captioned. Try another channel.<br>• Check CATV connection or VHF/UHF antenna, reposition or rotate antenna.<br>• Press TV/CAP/TEXT button to turn on the closed caption decoder. | 15<br>12,13<br>17 |
| Display is not shown in your language. | • Select proper language in the menu options. | 14 |



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# Problems and troubleshooting

| SYMPTOMS | POSSIBLE SOLUTIONS | PAGE |
|---|---|---|
| **DVD** | | |
| Playback doesn't start. | • No disc is inserted.<br>• The disc may be dirty. Clean up the disc.<br>• The unit cannot play CD-ROMs, etc. | 27<br>25<br>6, 25 |
| No picture | • TV/DVD selector is not set correctly. | 26 |
| No sound | • Check the input selector of the amplifier is set properly.<br>• The unit is in the Special playback mode.<br>• Select the correct Audio Output position on AV amplifier. | –<br>28<br>41 |
| Picture is distorted during CUE or REVIEW. | • The picture will be distorted occasionally. | – |
| Stopping playback, search, slow-motion play, repeat play, or program play, etc. cannot be performed. | • Some discs may not do some of the functions. | – |
| No 4:3 (16:9) picture | • The setup does not match your TV. | 35 |
| No on-screen display | • Select Display On. | 35 |
| No surround sound | • The setup does not match your stereo system. | 41 |
| The unit or remote operation key is not functioning. | • Turn off the unit and unplug the AC power cord for several minutes, then replug it. | – |
| Playback does not start when the title is selected. | • Check the RATING LEVEL setup. | 37~39 |
| Audio soundtrack and/or subtitle language is not changed when you play back a DVD. | • Multilingual language is not recorded on the DVD disc. | 34 |
| No subtitle | • Some discs have no subtitles.<br>• Subtitles are cleared. Press SUB TITLE. | 32 |
| Angle cannot be changed. | • Multi-angles are not recorded on the DVD disc. | 33 |
| "⊘" appears on the screen. | • The function is prohibited with the unit or the disc. | – |
| **REMOTE CONTROL** | | |
| The remote control does not function. | • Aim at the remote control at the remote sensor.<br>• Operate within approx. 16 feet (5 meters) or reduce the light in the room.<br>• Clear the path of the beam.<br>• The batteries are weak. Replace the batteries.<br>• Make sure the batteries are inserted correctly. | 11 |



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**GENERAL**

| | |
|---|---|
| Power supply: | AC 120V 60Hz<br>DC 12V |
| Power consumption: | Operation: 55W (AC120V, DC12V)<br>Stand by: 5W (AC120V), 3W (DC12V) |
| Weight: | 17.6lbs (8 kg) |
| Dimensions: | Width : 10-15/16 inches (278 mm)<br>Height: 12-1/4 inches (311.5 mm)<br>Depth : 12-5/16 inches (312.5 mm) |
| Operating temperature: | 5°C - 40°C |
| Operating humidity: | Less than 80% |

**TELEVISION**

| | |
|---|---|
| Picture tube: | 9" (229 mm diagonal) |
| Tuner type: | Quartz PLL Frequency Synthesized |
| Receiving channels: | VHF 2-13<br>UHF 14-69<br>CATV 14-36 (A)-(W)<br>37-59 (AA)-(WW)<br>60-85 (AAA)-(ZZZ)<br>86-94 (86)-(94)<br>95-99 (A-5)-(A-1)<br>100-125 (100)-(125)<br>01 (5A) |
| Antenna input: | VHF/UHF In 75 ohm coaxial |
| Speaker: | 3" (76 mm), 8 ohm x 2 |
| Audio output power: | 1.2W + 1.2W |

**DVD/CD player**

| | |
|---|---|
| Signal system: | NTSC |
| Applicable disc: | 1. DVD (12cm, 8cm)<br>2. CD (12cm, 8cm) |
| Audio characteristics frequency response: | DVD: 4Hz - 22KHz<br>CD: 4Hz - 20KHz |
| S/N Ratio: | 90dB |
| Harmonic distortion: | 0.06% |
| Wow and flutter: | Below Measurable Level |
| Input/Output: | Inputs : Video : (RCA) 1 Vp-p/75ohm<br>Audio : (RCA) –8 dBm/50Kohm<br>Outputs : Video : (RCA) 1 Vp-p/75ohm<br>Audio : (RCA) –12 dBm/1Kohm |
| Digital audio out: | 0.5Vp-p 75ohms terminated |
| Pickup: | CD : Wavelength: 775 - 815 nm<br>Maximum output power: 0.5 mW<br>DVD : Wavelength: 650 - 666 nm<br>Maximum output power: 2.0 mW |

**ACCESSORIES:**

Remote control
Batteries (AAA) x 2
Telescopic Antenna
12V DC Car Cord



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# RCA TV/DVD Combination Limited Warranty

What your warranty covers:

- Defects in materials or workmanship.

For how long after your purchase:

- 90 days from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm whichever comes first.

What we will do:

Pay an Authorized RCA Television Service Center the labor charges to repair your unit.

Pay an Authorized RCA Television Service Center for the new or, at our option, rebuilt replacement parts and picture tube required to repair your unit.

How you get service:

- For screen sizes of 26" and smaller: Take your RCA unit to any Authorized RCA Television Service Center and pickup when repairs are complete.
- For screen sizes larger than 26": Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your unit is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your TV/DVD to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- To identify your nearest Authorized RCA Service Center, ask your dealer, look in the Yellow Pages, visit , or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your product. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your TV/DVD.
- Damage from misuse or neglect.
- Batteries.
- Images burnt onto the screen.
- A TV/DVD that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A unit purchased or serviced outside the U.S.A.
- Acts of nature, such as but not limited to lightning damage.

Product Registration:

- Please complete the online Product Registration on  or complete and mail the Product Registration Card packed with your unit. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.



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Limitation of Warranty:
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How state law relates to this warranty:
Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:
This warranty does not apply. Contact your dealer for warranty information.

**Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.**



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Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

**Thomson Inc.**

**10330 North Meridian Street**
**Indianapolis, IN 46290**

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